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Contents of Theriogenology, Volume 64

VOLUME 64 ISSUE 1 **1 JULY 2005**

Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes
M. De los Reyes, J. de Lange, P. Miranda, J. Palominos and C. Barros 1

Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat
K. Chatdarong, A. Rungsipipat, E. Axnér and C. Linde Forsberg 12

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle
F. Wetscher, V. Havlicek, T. Huber, M. Gilles, D. Tesfaye, J. Griese, K. Wimmers, K. Schellander, M. Müller, G. Brem and U. Besenfelder 30

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct
F. Wetscher, V. Havlicek, T. Huber, M. Müller, G. Brem and U. Besenfelder 41

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival
J. Chagas e Silva and L. Lopes da Costa 49

Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies
V. Ronsse, J. Verstegen, E. Thiry, K. Onclin, C. Aeberlé, S. Brunet and H. Poulet 61

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes
N.A. Wani and M.A. Nowshari 75

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa
I. Parrilla, J.M. Vazquez, M.A. Gil, I. Caballero, C. Almiñana, J. Roca and E.A. Martinez 86

Characteristics of bovine early puerperal uterine contractility recorded under farm conditions
Á.C. Bajcsy, O. Szenci, A. Doornenbal, G.C. van der Weijden, C. Csorba, L. Kocsis, I. Szűcs, S. Ostgard and M.A.M. Taverne 99

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages
D.M. Valdez Jr., A. Miyamoto, T. Hara, K. Edashige and M. Kasai 112

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos
Y.-S. Park, S.-S. Kim, J.-M. Kim, H.-D. Park and M.-D. Byun 123

doi:10.1016/S0093-691X(05)00465-6

Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures
K. Mochida, M. Ohkawa, K. Inoue, D.M. Valdez Jr., M. Kasai and A. Ogura 135
Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles
H.R. Augsburger and M. Eggenberger 144
Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description
N.C. Friggens and M.G.G. Chagunda 155
Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development
M. Spinaci, M.D. Ambrogi, S. Volpe, G. Galeati, C. Tamanini and E. Seren 191
IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro
D. Lechniak, D. Szczepankiewicz, D. Kauss, J. Szulc and M. Szydłowski 202
Hypoluteoidism in a bitch
S. Görlinger, S. Galac, H.S. Kooistra and A.C. Okkens 213

Announcements 220

VOLUME 64 ISSUE 2 **15 JULY 2005**

REVIEW

Apoptotic processes during mammalian preimplantation development
D. Fabian, J. Koppel and P. Maddox-Hyttel 221

Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa
N. Madrid-Bury, J.F. Pérez-Gutiérrez, S. Pérez-Garnelo, P. Moreira, B.P. Sanjuanbenito, A. Gutiérrez-Adán and J. de la Fuente Martínez 232
Factors affecting gestation duration in the bitch
B.E. Eilts, A.P. Davidson, G. Hosgood, D.L. Paccamonti and D.G. Baker 242
Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen
F. López-Gatius, G. Sances, M. Sancho, J. Yániz, P. Santolaria, R. Gutiérrez, M. Núñez, J. Núñez and C. Soler 252
Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca21 induced by inositol 1,4,5-trisphosphate
T. Amano, T. Mori, K. Matsumoto, A. Iritani and T. Watanabe 261
SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility
S. Gamboa and J. Ramalho-Santos 275
Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*)
P. Nagy, J. Juhasz and U. Wernery 292
Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro ferility of boar individual ejaculates?
M.A. Gil, J. Roca, T. Cremades, M. Hernández, J.M. Vázquez, H. Rodríguez-Martínez and E.A. Martínez 305

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability
C. Diez, P. Duque, E. Gómez, C.O. Hidalgo, C. Tamargo, A. Rodríguez, L. Fernández, S. de la Varga, A. Fernández, N. Facal and M. Carbajo 317
Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull
K. Shiga, H. Umeki, H. Shimura, T. Fujita, S. Watanabe and T. Nagai 334
Efficacy of either a single or split treatment of PGF_{2A} after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers
G.A. Bridges, G.E. Portillo, J.W. de Araujo, W.W. Thatcher and J.V. Yelich 344
The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes
K.M. Morton, S.L. Catt, F.K. Hollinshead, W.M. Chis Maxwell and G. Evans 363
Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44
K. Toyokawa, H. Harayama and M. Miyake 378
The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep
R. Duggavathi, P.M. Bartlewski, D.M.W. Barrett and N.C. Rawlings 393
Relationship between semen quality and pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls
A.A. Arteaga, A.D. Barth and L.F.C. Brito 408
Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen
C.N. Vaisberg, L.V. Jelezarsky, B. Dishlianova and T.A. Chaushev 416
Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes
N. Sellier, J.-M. Brun, M.-M. Richard, F. Batellier, V. Dupuy and J.-P. Brillard 429

Announcements 440

VOLUME 64 ISSUE 3 **AUGUST 2005**

Proceedings of the Annual Conference of the Society for Theriogenology
Charleston, South Carolina, USA
Guest Editor: D.F. Wolfe

Editorial

Message from the Guest Editor
D.F. Wolfe 441

Plenary Session

Reproductive biology in the era of genomics biology
F.W. Bazer and T.E. Spencer 442

Genetic sperm defects
P.J. Chenoweth 457

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls
C.W. Palmer 469

Equine Session

Frozen semen management in equine breeding programs
P.R. Loomis and E.L. Squires 480

Fertility evaluation of frozen/thawed semen
J.K. Graham and E. Mocé 492

Diagnostic applications of ultrasonography to stallion's reproductive tract
M. Pozor 505

Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy
J.M. Nielsen 510

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares
E.M. Carnevale, M.A. Coutinho da Silva, D. Panzani, J.E. Stokes and E.L. Squires ... 519

Treatment strategies for mares with placentitis
M.L. Macpherson 528

Update on equine ICSI and cloning
K. Hinrichs 535

Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features
S. Bucca, U. Fogarty, A. Collins and V. Small 542

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology
C. Card 558

Equine fetal gender determination from mid- to advanced-gestation by ultrasound
S. Bucca 568

Low-dose insemination-Why, when and how
S.K. Lyle and M.S. Ferrer 572

Post-breeding inflammation and endometrial cytology in mares
C. Card 580

Food Animal Session

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management
M.W. Overton 589

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies
M.W. Overton and W.M. Sischo 603

Sperm concentration determination between hemacytometric and CASA systems: Why they can be different
C. Kuster 614

Update on reproductive biotechnologies in small ruminants and camelids
A. Tibary, A. Anouassi and H. Khatir 618

Possibilities with today's reproductive technologies
S.K. Johnson 639

Fertility of yearling beef bulls during mating
R.W. Ellis, G.P. Rupp, P.J. Chenoweth, L.V. Cundiff and D.D. Lunstra 657

Small Animal Session

Vaginal and cervical modifications during the estrus cycle in the domestic cat
D. Zambelli and M. Cunto 679
Theoretical aspects of canine cryopreserved semen evaluation
B.E. Eilts 685
Theoretical aspects of canine semen cryopreservation
B.E. Eilts 692
Transcervical artificial insemination in the cat
D. Zambelli and M. Cunto 698
New techniques for the assessment of canine semen quality: A review
T. Rijsselaere, A. Van Soom, S. Tanghe, M. Coryn, D. Maes and A. de Kruif 706
Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies
J.P. Verstegen, K. Onclin and M. Iguer-Ouada 720
Reproductive behavior of small animals
M.V. Root Kustritz 734
Semen collection in the dog
M.A. Kutzler 747
Pregnancy diagnosis and abnormalities of pregnancy in the dog
M.V. Root Kustritz 755
Induction and synchronization of estrus in dogs
M.A. Kutzler 766

Abstracts 776

Special issue author index 816

Announcements 818

VOLUME 64 ISSUE 4 **1 SEPTEMBER 2005**

Technical and economic effects of an inline progesterone indicator in a dairy herd estimated by stochastic simulation
S. Østergaard, N.C. Friggens and M.G.G. Chagunda 819
Effects of cryo-injury on progesterone receptor(s) of canine spermatozoa and its response to progesterone
F.-P. Cheng, J.-T. Wu, P.-S. Tsai, C.L.-T. Chang, S.-L. Lee, W.-M. Lee and A. Fazeli 844
Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan
H.K. Shrestha, T. Nakao, T. Suzuki, M. Akita and T. Higaki 855
Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle
S.H. Purcell, W.E. Beal and K.R. Gray 867
Changes to porcine blastocyst vitrification methods and improved litter size after transfer
L.F.S. Beebe, R.D.A. Cameron, A.W. Blackshaw and H.L. Keates 879
A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine
T. Haugan, O. Reksen, Y.T. Gröhn, A.H. Gaustad and P.O. Hofmo 891

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via CGMP-dependent protein kinase pathway
M. Zhang, Y. Tao, G. Xia, H. Xie, H. Hong, F. Wang and L. Lei 902
Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin F_{2A}-metabolite (PGF_{2A}-metabolite) after induction of fetal death with aglepristone during early gestation in cattle
S.P. Breukelman, O. Szenci, J.-F. Beckers, H. Kindahl, E.J.H. Mulder, F.H. Jonker, B. van der Weijden, D. Revy, K. Pogany, J. Sulon, I. Némedi and M.A.M. Taverne 917
Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis
M.M. Rivera, A. Quintero-Moreno, X. Barrera, M.J. Palomo, T. Rigau and J.E. Rodríguez-Gil 934
Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary
J.M.J. Aerts, M. Oste and P.E.J. Bols 947
Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm
F. Martinez-Pastor, A.R. Diaz-Corujo, E. Anel, P. Herraez, L. Anel and P. de Paz 958
Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP
J.O. Nöthling, R. Shuttleworth, K. de Haas and P.N. Thompson 975
Nutrient concentrations in murine follicular fluid and the female reproductive tract
S.E. Harris, N. Gopichandran, H.M. Picton, H.J. Leese and N.M. Orsi 992
Plasminogen activator activity in the porcine oviduct during the oestrous cycle
M.P. Tsantarliotou, I.A. Zervos, G. Vatzias, C. Billinis, I.A. Taitzoglou and N.A. Kokolis 1007
GPX5 orthologs of the mouse epididymis-restricted and sperm-bound selenium-independent glutathione peroxidase are not expressed with the same quantitative and spatial characteristics in large domestic animals
E. Grignard, J. Morin, P. Vernet and J.R. Drevet 1016

Announcements 1034

VOLUME 64 ISSUE 5 **15 SEPTEMBER 2005**

High pressure flow cytometric sorting damages sperm
T.K. Suh, J.L. Schenk and G.E. Seidel Jr. 1035
Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Bubalus bubalis*)
V. Paul and B.S. Prakash 1049
The early conception factor (ECF™) lateral flow assay for non-pregnancy determination in the mare
M.P. Horteloup, W.R. Threlfall and J.A. Funk 1061
Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.)
C.E. de Jong, N. Jonsson, H. Field, C. Smith, E.G. Crichton, N. Phillips and S.D. Johnston 1072
The effect of peri-conception nutrition on embryo quality in the superovulated ewe
M.A. Kakar, S. Maddocks, M.F. Lorimer, D.O. Kleemann, S.R. Rudiger, K.M. Hartwich and S.K. Walker 1090

Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles
E.R. Andrade, M.M. Seneda, A.A. Alfieri, J.A. de Oliveira, A.P.F.R.L. Bracarense, J.R. Figueiredo and R. Toniolli 1104
Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching
W.-X. Liu, Y. Zheng, M.-J. Luo, P. Huang, L.-M. Yue, L. Wang, Y.-P. He and J.-H. Zhang 1114
Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes
T.F. Crosby, A. O'Donnell, J.V. O'Doherty, P.J. Quinn and A.C.O. Evans 1121
Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?
R. Lavara, E. Mocé, F. Lavara, M.P. Viudes de Castro and J.S. Vicente 1130
Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions
S.-F. Ma, X.-Y. Liu, D.-Q. Miao, Z.-B. Han, X. Zhang, Y.-L. Miao, R. Yanagimachi and J.-H. Tan 1142
Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig
C.Y. Park, S.J. Uhm, S.J. Song, K.S. Kim, S.B. Hong, K.S. Chung, C. Park and H.T. Lee 1158
Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar
K. Ljungvall, P. Karlsson, F. Hultén, A. Madej, L. Norrgren, S. Einarsson, H. Rodriguez-Martinez and U. Magnusson 1170
Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution
C. Laowtammathron, C. Lorthongpanich, M. Ketudat-Cairns, S. Hochi and R. Parnpai 1185
Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period
M. Sakase, Y. Seo, M. Fukushima, M. Noda, K. Takeda, S. Ueno, T. Inaba, H. Tamada, T. Sawada and N. Kawate 1197
Post-insemination milk progesterone concentration and embryo survival in dairy cows
A.J.H. Stronge, J.M. Sreenan, M.G. Diskin, J.F. Mee, D.A. Kenny and D.G. Morris ... 1212
The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen
C.M. Kershaw, M. Khalid, M.R. McGowan, K. Ingram, S. Leethongdee, G. Wax and R.J. Scaramuzzi 1225
Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®
C. Soler, B. Gadea, A.J. Soler, M.R. Fernández-Santos, M.C. Esteso, J. Núñez, P.N. Moreira, M. Núñez, R. Gutiérrez, M. Sancho and J.J. Garde 1236

Errata

Erratum to "Epididymal cell secretory activities and the role of proteins in boar sperm maturation" [Theriogenology 63 (2003) 319–341]
J.-L. Dacheux, S. Castella, J.L. Gatti and F. Dacheux 1244

Erratum to "Sperm movement in the ooplasm, dithiothreitol pretreatment and sperm freezing are not required for the development of porcine embryos derived from injection of head membrane-damaged sperm" [Theriogenology 63 (2005) 783–794]
H.Y. Yong, J.Y. Hong, S.K. Kang, B.C. Lee, E.S. Lee and W.S. Hwang 1245

Announcements 1247

VOLUME 64 ISSUE 6 **1 OCTOBER 2005**

Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats
A.-R. Jiménez-Macedo, D. Izquierdo, B. Anguita and M.-T. Paramio 1249
Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up
X.-Y. Yang, J.-G. Zhao, H.-W. Li, H. Li, H.-F. Liu, S.-Z. Huang and Y.-T. Zeng 1263
Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle
S. Gupta, H.K. Gupta and J. Soni 1273
In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars
C. Suzuki, K. Yoshioka, S. Itoh, T. Kawarasaki and K. Kikuchi 1287
Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes
M. Zhang, H. Tang, G. Shen, B. Zhou, Z. Wu, Z. Peng, J. Zhang, J. Yan and G. Xia .. 1297
Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*)
F. Lu, D. Shi, J. Wei, S. Yang and Y. Wei 1309
In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes
K.M. Morton, S.L. Catt, W.M.C. Maxwell and G. Evans 1320
Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000)
M.V.R. Kustritz, S.D. Johnston, P.N. Olson and C.J. Lindeman 1333
Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification
H. Men, Y. Agca, E.S. Critser and J.K. Critser 1340
Application of MTT reduction assay to evaluate equine sperm viability
D.M. Aziz, L. Ahlswede and H. Enbergs 1350
In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries
W. Muruvi, H.M. Picton, R.G. Rodway and I.M. Joyce 1357
Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea
E.D. Watson, S.-E. Bae, M.O. Al-zi'abi, C.O. Hogg and D.G. Armstrong 1371

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term
Y.-P. Hou, Y.-P. Dai, S.-E. Zhu, H.-B. Zhu, T.-Y. Wu, G.-C. Gong, H.-P. Wang, L.-L. Wang, Y. Liu, R. Li, R. Wan and N. Li 1381
Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep
A. Gonzalez-Bulnes, F. Berlinguer, M.J. Cocero, R.M. Garcia-Garcia, G. Leoni, S. Naitana, I. Rosati, S. Succu and A. Veiga-Lopez 1392
The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa
A.H. Walters, R.G. Saacke, R.E. Pearson and F.C. Gwazdauskas 1404
Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa
E.S. Kirk, E.L. Squires and J.K. Graham 1422
Testicular development in Brahman bulls
P.M. Aponte, D.G. de Rooij and P. Bastidas 1440

Announcements 1456

VOLUME 64 ISSUE 7 **15 OCTOBER 2005**

Progesterone (CIDR)-based timed AI protocols using GNRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates
J.D. Ambrose, J.P. Kastelic, R. Rajamahendran, M. Aali and N. Dinn 1457
Summer heat stress alters the MRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells
N. Argov, U. Moallem and D. Sklan 1475
Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens
Y.-M. Kuo, Y.-L. Shiue, C.-F. Chen, P.-C. Tang and Y.-P. Lee 1490
Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days
A.J. Soler, M.C. Esteso, M.R. Fernández-Santos and J.J. Garde 1503
Effects of (artificial) boar stimuli on uterine activity in estrous sows
R. Gerritsen, P. Langendijk, N.M. Soede and B. Kemp 1518
Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*)
M.A. Nowshari and S.A. Ali 1526
Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation
P.M. Kragh, Y. Du, T.J. Corydon, S. Purup, L. Bolund and G. Vajta 1536
A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs
J. Kauffold, T. Rautenberg, G. Hoffmann, N. Beynon, I. Schellenberg and A. Sobiraj .. 1546
Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions
A.T.D. de Oliveira, R.F.F. Lopes and J.L. Rodrigues 1559
Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings
A.J. van Dijk, B.T.T.M. van Rens, T. van der Lende and M.A.M. Taverne 1573

The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos
S.L. Adams, T. Zhang and D.M. Rawson 1591
Isolation, culture and characteristics of epididymal epithelial cells from adult cats
S. Buff, V. Lambert, T. Marchal and P. Guérin 1603
In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification
M. Moussa, I. Bersinger, P. Doligez, F. Guignot, G. Duchamp, M. Vidament, P. Mermillod and J.-F. Bruyas 1619
Vitrification assays with embryos from a cold tolerant sub-arctic fish species
V. Robles, E. Cabrita, G.L. Fletcher, M.A. Shears, M.J. King and M.P. Herráez 1633
Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions
M. Bodmer, F. Janett, M. Hässig, N. den Daas, P. Reichert and R. Thun 1647
Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats
M.Z. Ali Al Ahmad, F. Fieni, L. Martignat, G. Chatagnon, G. Baril, F. Bouvier and Y. Chebloune 1656

Announcements 1667

VOLUME 64 ISSUE 8 **NOVEMBER 2005**

Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows
R.H. Alvarez, M.V.G.B. da Silva, J.B.P. de Carvalho and M. Binelli 1669
Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes
J.-C. Ju, S. Jiang, J.-K. Tseng, J.E. Parks and X. Yang 1677
Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle
J.B. Roelofs, F.J.C.M. van Eerdenburg, N.M. Soede and B. Kemp 1690
Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection
T. Kaneko, S. Moisyadi, R. Suganuma, B. Hohn, R. Yanagimachi and P. Pelczar 1704
Low dose insemination in cattle with the Ghent device
S. Verberckmoes, A. Van Soom, J. Dewulf, M. Thys and A. de Kruif 1716
Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos
Y. Locatelli, Y. Cognié, J.C. Vallet, G. Baril, M. Verdier, N. Poulin, X. Legendre and P. Mermillod 1729
Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development
J.L. Albarracín, R. Morató, D. Izquierdo and T. Mogas 1740
Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa
F. Marco-Jiménez, S. Puchades, J. Gadea, J.S. Vicente and M.P. Viudes-de-Castro 1756
Functional significance of responsiveness to capacitating conditions in boar spermatozoa
A.M. Petrunkina, G. Volker, H. Brandt, E. Töpfer-Petersen and D. Waberski 1766

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation
C. Almiñana, M.A. Gil, C. Cuello, J. Roca, J.M. Vazquez, H. Rodriguez-Martinez and E.A. Martinez 1783
Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen
C.M. O'Meara, J.P. Hanrahan, A. Donovan, S. Fair, D. Rizos, M. Wade, M.P. Boland, A.C.O. Evans and P. Lonergan 1797
Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa
G.J. Dietrich, A. Szpyrka, M. Wojtczak, S. Dobosz, K. Goryczko, Ł. Żakowski and A. Ciereszko 1809
Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay
M. Moussa, C. Perreau, G. Baril, G. Duchamp, M. Vidament, P. Daels, J.-F. Bruyas and P. Mermillod 1823
Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist
C. Lopez-Alonso, T. Encinas, A. Veiga-Lopez, R.M. Garcia-Garcia, M.J. Cocero, J.M. Ros, A.S. McNeilly and A. Gonzalez-Bulnes 1833
Effects of solid storage of sheep spermatozoa at 15°C on their survival and penetrating capacity
J. Yániz, J.I. Martí, M.A. Silvestre, J. Folch, P. Santolaria, J.L. Alabart and F. López-Gatius 1844
Amino acid metabolism of the porcine blastocyst
P.G. Humpherson, H.J. Leese and R.G. Sturmey 1852
Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen
F. Janett, L. Aebi, D. Burger, I. Imboden, M. Hässig, H. Kindahl and R. Thun 1867

Announcements 1878

Statement of ownership, management and Circulation 1

VOLUME 64 ISSUE 9 **DECEMBER 2005**

Prevalence of endometritis and its effects on reproductive performance of dairy cows
R.O. Gilbert, S.T. Shin, C.L. Guard, H.N. Erb and M. Frajblat 1879
The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine
D. Mota-Rojas, A.M. Rosales, M.E. Trujillo, H. Orozco, R. Ramírez and M. Alonso-Spilsbury 1889
Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa
L.J. Minter and T.J. DeLiberto 1898
Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine
J. Mao, G.-M. Wu, R.S. Prather, M.F. Smith, T. Cantley, A. Rieke, B.A. Didion and B.N. Day 1913

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica
J.J. Romero, S.Van Breda, B. Vargas, G. Dolz and K. Frankena 1928
Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis
S.-Y. Huang, M.-F. Tam, Y.-T. Hsu, J.-H. Lin, H.-H. Chen, C.-k. Chuang, M.-Y. Chen, Y.-T. King and W.-C. Lee 1940
Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility
F.P. Bortolozzo, D.A. Uemoto, P.E. Bennemann, M.C. Pozzobon, C.D. Castagna, C.H. Peixoto, W. Barioni Jr. and I. Wentz 1956
Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array
O.M. Casey, D.G. Morris, R. Powell, J.M. Sreenan and R. Fitzpatrick 1963
The usefulness of a single measurement of insulin-like growth factor-I as a predictor of embryo yield and pregnancy rates in a bovine MOET program
M.A. Velazquez, M. Newman, M.F. Christie, P.J. Cripps, M.A. Crowe, R.F. Smith and H. Dobson 1977
Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro
J. Bassols, E. Kádár, M. Briz, E. Pinart, S. Sancho, N. Garcia-Gil, E. Badia, A. Pruneda, E. Bussalleu, M. Yeste, I. Casas, J.L. Dacheux and S. Bonet 1995
Endocrine control of estrous cycle in mithun (*Bos frontalis*)
A. Dhali, D.P. Mishra, A. Mech, M. Karunakaran and C. Rajkhowa 2010
Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows
J.L.M.R. Leroy, G. Opsomer, S. De Vliegher, T. Vanholder, L. Goossens, A. Geldhof, P.E.J. Bols, A. de Kruif and A. Van Soom 2022

Contents of Volume 64 2037
Author Index, Volume 64 2049
Subject Index, Volume 64 2064
Announcements 2096

ELSEVIER

Theriogenology

Theriogenology 64 (2005) 2049–2063

www.journals.elsevierhealth.com/periodicals/the

Author Index, Volume 64

Aali, M., *see* Ambrose, J.D., (64) (2005) 1457

Adams, S.L., Zhang, T. and Rawson, D.M., The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos, (64) (2005) 1591

Aeberlé, C., *see* Ronsse, V., (64) (2005) 61

Aebi, L., *see* Janett, F., (64) (2005) 1867

Aerts, J.M.J., Oste, M. and Bols, P.E.J., Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, (64) (2005) 947.

Agca, Y., *see* Men, H., (64) (2005) 1340

Ahlswede, L., *see* Aziz, D.M., (64) (2005) 1350

Akita, M., *see* Shrestha, H.K., (64) (2005) 855

Al-zi'abi, M.O., *see* Watson, E.D., (64) (2005) 1371

Alabart, J.L., *see* Yániz, J., (64) (2005) 1844

Albarracín, J.L., Morató, R., Izquierdo, D. and Mogas, T., Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, (64) (2005) 1740

Alfieri, A.A., *see* Andrade, E.R., (64) (2005) 1104

Ali Al Ahmad, M.Z., Fieni, F., Martignat, L., Chatagnon, G., Baril, G., Bouvier, F. and Cheboulne, Y., Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, (64) (2005) 1656

Ali, S.A., *see* Nowshari, M.A., (64) (2005) 1526

Almiñana, C., Gil, M.A., Cuello, C., Roca, J., Vazquez, J.M., Rodriguez-Martınez, H. and Martinez, E.A., Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, (64) (2005) 1783

Almiñana, C., *see* Parrilla, I., (64) (2005) 86

Alonso-Spilsbury, M., *see* Mota-Rojas, D., (64) (2005) 1889

Alvarez, R.H., da Silva, M.V.G.B., de Carvalho, J.B.P. and Binelli, M., Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows, (64) (2005) 1669

Amano, T., Mori, T., Matsumoto, K., Iritani, A. and Watanabe, T., Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, (64) (2005) 261

Ambrogi, M.D., *see* Spinaci, M., (64) (2005) 191

Ambrose, J.D., Kastelic, J.P., Rajamahendran, R., Aali, M. and Dinn, N., Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, (64) (2005) 1457

Andrade, E.R., Seneda, M.M., Alfieri, A.A., de Oliveira, J.A., Bracarense, A.P.F.R.L., Figueiredo, J.R. and Toniolli, R., Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, (64) (2005) 1104

Anel, E., *see* Martinez-Pastor, F., (64) (2005) 958

Anel, L., *see* Martinez-Pastor, F., (64) (2005) 958

Anguita, B., *see* Jiménez-Macedo, A.-R., (64) (2005) 1249

Anouassi, A., *see* Tibary, A., (64) (2005) 618

Aponte, P.M., de Rooij, D.G. and Bastidas, P., Testicular development in Brahman bulls, (64) (2005) 1440

Argov, N., Moallem, U. and Sklan, D., Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, (64) (2005) 1475

Armstrong, D.G., *see* Watson, E.D., (64) (2005) 1371

Arteaga, A.A., Barth, A.D. and Brito, L.F.C., Relationship between semen quality and

doi:10.1016/S0093-691X(05)00466-8

pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls, (64) (2005) 408

Augsburger, H.R. and Eggenberger, M., Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, (64) (2005) 144

Axnér, E., *see* Chatdarong, K., (64) (2005) 12

Aziz, D.M., Ahlswede, L. and Enbergs, H., Application of MTT reduction assay to evaluate equine sperm viability, (64) (2005) 1350

Badia, E., *see* Bassols, J., (64) (2005) 1995

Bae, S.-E., *see* Watson, E.D., (64) (2005) 1371

Bajcsy, Á.C., Szenci, O., Doornenbal, A., van der Weijden, G.C., Csorba, C., Kocsis, L., Szűcs, I., Ostgard, S. and Taverne, M.A.M., Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, (64) (2005) 99

Baker, D.G., *see* Eilts, B.E., (64) (2005) 242

Baril, G., *see* Ali Al Ahmad, M.Z., (64) (2005) 1656

Baril, G., *see* Locatelli, Y., (64) (2005) 1729

Baril, G., *see* Moussa, M., (64) (2005) 1823

Barioni Jr., W., *see* Bortolozzo, F.P., (64) (2005) 1956

Barrera, X., *see* Rivera, M.M., (64) (2005) 934

Barrett, D.M.W., *see* Duggavathi, R., (64) (2005) 393

Barros, C., *see* De los Reyes, M., (64) (2005) 1

Barth, A.D., *see* Arteaga, A.A., (64) (2005) 408

Bartlewski, P.M., *see* Duggavathi, R., (64) (2005) 393

Bassols, J., Kádár, E., Briz, M., Pinart, E., Sancho, S., Garcia-Gil, N., Badia, E., Pruneda, A., Bussalleu, E., Yeste, M., Casas, I., Dacheux, J.L. and Bonet, S., Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, (64) (2005) 1995

Batellier, F., *see* Sellier, N., (64) (2005) 429

Bazer, F.W. and Spencer, T.E., Reproductive biology in the era of genomics biology, (64) (2005) 442

Beal, W.E., *see* Purcell, S.H., (64) (2005) 867

Beckers, J.-F., *see* Breukelman, S.P., (64) (2005) 917

Beebe, L.F.S., Cameron, R.D.A., Blackshaw, A.W. and Keates, H.L., Changes to porcine blastocyst vitrification methods and improved litter size after transfer, (64) (2005) 879

Bennemann, P.E., *see* Bortolozzo, F.P., (64) (2005) 1956

Berlinguer, F., *see* Gonzalez-Bulnes, A., (64) (2005) 1392

Bersinger, I., *see* Moussa, M., (64) (2005) 1619

Besenfelder, U., *see* Wetscher, F., (64) (2005) 30, 41

Beynon, N., *see* Kauffold, J., (64) (2005) 1546

Billinis, C., *see* Tsantarliotou, M.P., (64) (2005) 1007

Binelli, M., *see* Alvarez, R.H., (64) (2005) 1669

Blackshaw, A.W., *see* Beebe, L.F.S., (64) (2005) 879

Bodmer, M., Janett, F., Hässig, M., den Daas, N., Reichert, P. and Thun, R., Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, (64) (2005) 1647

Boland, M.P., *see* O'Meara, C.M., (64) (2005) 1797

Bols, P.E.J., *see* Aerts, J.M.J., (64) (2005) 947

Bols, P.E.J., *see* Leroy, J.L.M.R., (64) (2005) 2022

Bolund, L., *see* Kragh, P.M., (64) (2005) 1536

Bonet, S., *see* Bassols, J., (64) (2005) 1995

Bortolozzo, F.P., Uemoto, D.A., Bennemann, P.E., Pozzobon, M.C., Castagna, C.D., Peixoto, C.H., Barioni Jr., W. and Wentz, I., Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility, (64) (2005) 1956

Bouvier, F., *see* Ali Al Ahmad, M.Z., (64) (2005) 1656

Bracarense, A.P.F.R.L., *see* Andrade, E.R., (64) (2005) 1104

Brandt, H., *see* Petrunkina, A.M., (64) (2005) 1766

Brem, G., *see* Wetscher, F., (64) (2005) 30, 41

Breukelman, S.P., Szenci, O., Beckers, J.-F., Kindahl, H., Mulder, E.J.H., Jonker, F.H., van der Weijden, B., Revy, D., Pogany, K., Sulon, J., Némedi, I. and Taverne, M.A.M., Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, (64) (2005) 917

Bridges, G.A., Portillo, G.E., de Araujo, J.W., Thatcher, W.W. and Yelich, J.V., Efficacy of either a single or split treatment of $PGF_{2\alpha}$ after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers, (64) (2005) 344

Brito, L.F.C., *see* Arteaga, A.A., (64) (2005) 408

Briz, M., *see* Bassols, J., (64) (2005) 1995

Brun, J.-M., *see* Sellier, N., (64) (2005) 429

Brunet, S., *see* Ronsse, V., (64) (2005) 61

Bruyas, J.-F., *see* Moussa, M., (64) (2005) 1619, 1823

Bucca, S., Equine fetal gender determination from mid- to advanced-gestation by ultrasound, (64) (2005) 568

Bucca, S., Fogarty, U., Collins, A. and Small, V., Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, (64) (2005) 542
Buff, S., Lambert, V., Marchal, T. and Guérin, P., Isolation, culture and characteristics of epididymal epithelial cells from adult cats, (64) (2005) 1603
Burger, D., *see* Janett, F., (64) (2005) 1867
Bussalleu, E., *see* Bassols, J., (64) (2005) 1995
Byun, M.-D., *see* Park, Y.-S., (64) (2005) 123

Caballero, I., *see* Parrilla, I., (64) (2005) 86
Cabrita, E., *see* Robles, V., (64) (2005) 1633
Cameron, R.D.A., *see* Beebe, L.F.S., (64) (2005) 879
Cantley, T., *see* Mao, J., (64) (2005) 1913
Carbajo, M., *see* Diez, C., (64) (2005) 317
Card, C., Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, (64) (2005) 558
Card, C., Post-breeding inflammation and endometrial cytology in mares, (64) (2005) 580
Carnevale, E.M., Coutinho da Silva, M.A., Panzani, D., Stokes, J.E. and Squires, E.L., Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, (64) (2005) 519
Casas, I., *see* Bassols, J., (64) (2005) 1995
Casey, O.M., Morris, D.G., Powell, R., Sreenan, J.M. and Fitzpatrick, R., Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, (64) (2005) 1963
Castagna, C.D., *see* Bortolozzo, F.P., (64) (2005) 1956
Castella, S., *see* Dacheux, J.-L., (64) (2005) 1244
Catt, S.L., *see* Morton, K.M., (64) (2005) 363
Catt, S.L., *see* Morton, K.M., (64) (2005) 1320
Chagas e Silva, J. and Lopes da Costa, L., Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, (64) (2005) 49
Chagunda, M.G.G., *see* Friggens, N.C., (64) (2005) 155
Chagunda, M.G.G., *see* Østergaard, S., (64) (2005) 819
Chang, C.L.-T., *see* Cheng, F.-P., (64) (2005) 844
Chatagnon, G., *see* Ali Al Ahmad, M.Z., (64) (2005) 1656
Chatdarong, K., Rungsipipat, A., Axnér, E. and Linde Forsberg, C., Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat, (64) (2005) 12
Chaushev, T.A., *see* Vaisberg, C.N., (64) (2005) 416
Chen, C.-F., *see* Kuo, Y.-M., (64) (2005) 1490
Chen, H.-H., *see* Huang, S.-Y., (64) (2005) 1940
Chen, M.-Y., *see* Huang, S.-Y., (64) (2005) 1940
Cheng, F.-P., Wu, J.-T., Tsai, P.-S., Chang, C.L.-T., Lee, S.-L., Lee, W.-M. and Fazeli, A., Effects of cryo-injury on progesterone receptor(s) of canine spermatozoa and its response to progesterone, (64) (2005) 844
Chenoweth, P.J., Genetic sperm defects, (64) (2005) 457
Chenoweth, P.J., *see* Ellis, R.W., (64) (2005) 657
Christie, M.F., *see* Velazquez, M.A., (64) (2005) 1977
Chuang, C.-k., *see* Huang, S.-Y., (64) (2005) 1940
Chung, K.S., *see* Park, C.Y., (64) (2005) 1158
Ciereszko, A., *see* Dietrich, G.J., (64) (2005) 1809
Cocero, M.J., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Cocero, M.J., *see* Lopez-Alonso, C., (64) (2005) 1833
Cognié, Y., *see* Locatelli, Y., (64) (2005) 1729
Collins, A., *see* Bucca, S., (64) (2005) 542
Corydon, T.J., *see* Kragh, P.M., (64) (2005) 1536
Coryn, M., *see* Rijsselaere, T., (64) (2005) 706
Coutinho da Silva, M.A., *see* Carnevale, E.M., (64) (2005) 519
Cremades, T., *see* Gil, M.A., (64) (2005) 305
Crichton, E.G., *see* de Jong, C.E., (64) (2005) 1072
Cripps, P.J., *see* Velazquez, M.A., (64) (2005) 1977
Critser, E.S., *see* Men, H., (64) (2005) 1340
Critser, J.K., *see* Men, H., (64) (2005) 1340
Crosby, T.F., O'Donnell, A., O'Doherty, J.V., Quinn, P.J. and Evans, A.C.O., Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, (64) (2005) 1121
Crowe, M.A., *see* Velazquez, M.A., (64) (2005) 1977
Csorba, C., *see* Bajcsy, Á.C., (64) (2005) 99
Cuello, C., *see* Almiñana, C., (64) (2005) 1783
Cundiff, L.V., *see* Ellis, R.W., (64) (2005) 657
Cunto, M., *see* Zambelli, D., (64) (2005) 679, 698

da Silva, M.V.G.B., *see* Alvarez, R.H., (64) (2005) 1669
Dacheux, F., *see* Dacheux, J.-L., (64) (2005) 1244
Dacheux, J.-L., Castella, S., Gatti, J.L. and Dacheux, F., Erratum to "Epididymal cell secretory activities and the role of proteins in boar sperm maturation" [Theriogenology 63 (2005) 319–341], (64) (2005) 1244
Dacheux, J.L., *see* Bassols, J., (64) (2005) 1995
Daels, P., *see* Moussa, M., (64) (2005) 1823

Dai, Y.-P., *see* Hou, Y.-P., (64) (2005) 1381
Davidson, A.P., *see* Eilts, B.E., (64) (2005) 242
Day, B.N., *see* Mao, J., (64) (2005) 1913
de Araujo, J.W., *see* Bridges, G.A., (64) (2005) 344
de Carvalho, J.B.P., *see* Alvarez, R.H., (64) (2005) 1669
de Haas, K., *see* Nöthling, J.O., (64) (2005) 975
de Jong, C.E., Jonsson, N., Field, H., Smith, C., Crichton, E.G., Phillips, N. and Johnston, S.D., Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), (64) (2005) 1072
de Kruif, A., *see* Leroy, J.L.M.R., (64) (2005) 2022
de Kruif, A., *see* Rijsselaere, T., (64) (2005) 706
de Kruif, A., *see* Verberckmoes, S., (64) (2005) 1716
de la Fuente Martínez, J., *see* Madrid-Bury, N., (64) (2005) 232
de la Varga, S., *see* Diez, C., (64) (2005) 317
de Lange, J., *see* De los Reyes, M., (64) (2005) 1
De los Reyes, M., de Lange, J., Miranda, P., Palominos, J. and Barros, C., Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes, (64) (2005) 1
de Oliveira, A.T.D., Lopes, R.F.F. and Rodrigues, J.L., Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, (64) (2005) 1559
de Oliveira, J.A., *see* Andrade, E.R., (64) (2005) 1104
de Paz, P., *see* Martinez-Pastor, F., (64) (2005) 958
de Rooij, D.G., *see* Aponte, P.M., (64) (2005) 1440
De Vliegher, S., *see* Leroy, J.L.M.R., (64) (2005) 2022
DeLiberto, T.J., *see* Minter, L.J., (64) (2005) 1898
den Daas, N., *see* Bodmer, M., (64) (2005) 1647
Dewulf, J., *see* Verberckmoes, S., (64) (2005) 1716
Dhali, A., Mishra, D.P., Mech, A., Karunakaran, M. and Rajkhowa, C., Endocrine control of estrous cycle in mithun (*Bos frontalis*), (64) (2005) 2010
Diaz-Corujo, A.R., *see* Martinez-Pastor, F., (64) (2005) 958
Didion, B.A., *see* Mao, J., (64) (2005) 1913
Dietrich, G.J., Szpyrka, A., Wojtczak, M., Dobosz, S., Goryczko, K., Żakowski, Ł. and Ciereszko, A., Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, (64) (2005) 1809
Diez, C., Duque, P., Gómez, E., Hidalgo, C.O., Tamargo, C., Rodríguez, A., Fernández, L., de la Varga, S., Fernández, A., Facal, N. and Carbajo, M., Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, (64) (2005) 317
Dinn, N., *see* Ambrose, J.D., (64) (2005) 1457
Dishlianova, B., *see* Vaisberg, C.N., (64) (2005) 416
Diskin, M.G., *see* Stronge, A.J.H., (64) (2005) 1212
Dobosz, S., *see* Dietrich, G.J., (64) (2005) 1809
Dobson, H., *see* Velazquez, M.A., (64) (2005) 1977
Doligez, P., *see* Moussa, M., (64) (2005) 1619
Dolz, G., *see* Romero, J.J., (64) (2005) 1928
Donovan, A., *see* O'Meara, C.M., (64) (2005) 1797
Doornenbal, A., *see* Bajcsy, Á.C., (64) (2005) 99
Du, Y., *see* Kragh, P.M., (64) (2005) 1536
Duchamp, G., *see* Moussa, M., (64) (2005) 1619
Duchamp, G., *see* Moussa, M., (64) (2005) 1823
Duggavathi, R., Bartlewski, P.M., Barrett, D.M.W. and Rawlings, N.C., The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, (64) (2005) 393
Dupuy, V., *see* Sellier, N., (64) (2005) 429
Duque, P., *see* Diez, C., (64) (2005) 317

Edashige, K., *see* Valdez Jr., D.M., (64) (2005) 112
Eggenberger, M., *see* Augsburger, H.R., (64) (2005) 144
Eilts, B.E., Davidson, A.P., Hosgood, G., Paccamonti, D.L. and Baker, D.G., Factors affecting gestation duration in the bitch, (64) (2005) 242
Eilts, B.E., Theoretical aspects of canine cryopreserved semen evaluation, (64) (2005) 685
Eilts, B.E., Theoretical aspects of canine semen cryopreservation, (64) (2005) 692
Einarsson, S., *see* Ljungvall, K., (64) (2005) 1170
Ellis, R.W., Rupp, G.P., Chenoweth, P.J., Cundiff, L.V. and Lunstra, D.D., Fertility of yearling beef bulls during mating, (64) (2005) 657
Enbergs, H., *see* Aziz, D.M., (64) (2005) 1350
Encinas, T., *see* Lopez-Alonso, C., (64) (2005) 1833
Erb, H.N., *see* Gilbert, R.O., (64) (2005) 1879
Esteso, M.C., *see* Soler, A.J., (64) (2005) 1503
Esteso, M.C., *see* Soler, C., (64) (2005) 1236
Evans, A.C.O., *see* Crosby, T.F., (64) (2005) 1121
Evans, A.C.O., *see* O'Meara, C.M., (64) (2005) 1797
Evans, G., *see* Morton, K.M., (64) (2005) 363
Evans, G., *see* Morton, K.M., (64) (2005) 1320

Fabian, D., Koppel, J. and Maddox-Hyttel, P., Apoptotic processes during mammalian preimplantation development, (64) (2005) 221
Facal, N., *see* Diez, C., (64) (2005) 317
Fair, S., *see* O'Meara, C.M., (64) (2005) 1797
Fazeli, A., *see* Cheng, F.-P., (64) (2005) 844
Fernández, A., *see* Diez, C., (64) (2005) 317
Fernández, L., *see* Diez, C., (64) (2005) 317
Fernández-Santos, M.R., *see* Soler, A.J., (64) (2005) 1503
Fernández-Santos, M.R., *see* Soler, C., (64) (2005) 1236
Ferrer, M.S., *see* Lyle, S.K., (64) (2005) 572
Field, H., *see* de Jong, C.E., (64) (2005) 1072
Fieni, F., *see* Ali Al Ahmad, M.Z., (64) (2005) 1656
Figueiredo, J.R., *see* Andrade, E.R., (64) (2005) 1104
Fitzpatrick, R., *see* Casey, O.M., (64) (2005) 1963
Fletcher, G.L., *see* Robles, V., (64) (2005) 1633
Fogarty, U., *see* Bucca, S., (64) (2005) 542
Folch, J., *see* Yániz, J., (64) (2005) 1844
Frajblat, M., *see* Gilbert, R.O., (64) (2005) 1879
Frankena, K., *see* Romero, J.J., (64) (2005) 1928
Friggens, N.C. and Chagunda, M.G.G., Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, (64) (2005) 155
Friggens, N.C., *see* Østergaard, S., (64) (2005) 819
Fujita, T., *see* Shiga, K., (64) (2005) 334
Fukushima, M., *see* Sakase, M., (64) (2005) 1197
Funk, J.A., *see* Horteloup, M.P., (64) (2005) 1061

Gadea, B., *see* Soler, C., (64) (2005) 1236
Gadea, J., *see* Marco-Jiménez, F., (64) (2005) 1756
Galac, S., *see* Görlinger, S., (64) (2005) 213
Galeati, G., *see* Spinaci, M., (64) (2005) 191
Gamboa, S. and Ramalho-Santos, J., SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, (64) (2005) 275
Garcia-Garcia, R.M., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Garcia-Garcia, R.M., *see* Lopez-Alonso, C., (64) (2005) 1833
Garcia-Gil, N., *see* Bassols, J., (64) (2005) 1995
Garde, J.J., *see* Soler, A.J., (64) (2005) 1503
Garde, J.J., *see* Soler, C., (64) (2005) 1236
Gatti, J.L., *see* Dacheux, J.-L., (64) (2005) 1244
Gaustad, A.H., *see* Haugan, T., (64) (2005) 891
Geldhof, A., *see* Leroy, J.L.M.R., (64) (2005) 2022
Gerritsen, R., Langendijk, P., Soede, N.M. and Kemp, B., Effects of (artificial) boar stimuli on uterine activity in estrous sows, (64) (2005) 1518
Gil, M.A., Roca, J., Cremades, T., Hernández, M., Vázquez, J.M., Rodríguez-Martínez, H. and Martínez, E.A., Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, (64) (2005) 305
Gil, M.A., *see* Almiñana, C., (64) (2005) 1783
Gil, M.A., *see* Parrilla, I., (64) (2005) 86
Gilbert, R.O., Shin, S.T., Guard, C.L., Erb, H.N. and Frajblat, M., Prevalence of endometritis and its effects on reproductive performance of dairy cows, (64) (2005) 1879
Gilles, M., *see* Wetscher, F., (64) (2005) 30
Gómez, E., *see* Diez, C., (64) (2005) 317
Gong, G.-C., *see* Hou, Y.-P., (64) (2005) 1381
Gonzalez-Bulnes, A., Berlinguer, F., Cocero, M.J., Garcia-Garcia, R.M., Leoni, G., Naitana, S., Rosati, I., Succu, S. and Veiga-Lopez, A., Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, (64) (2005) 1392
Gonzalez-Bulnes, A., *see* Lopez-Alonso, C., (64) (2005) 1833
Goossens, L., *see* Leroy, J.L.M.R., (64) (2005) 2022
Gopichandran, N., *see* Harris, S.E., (64) (2005) 992
Görlinger, S., Galac, S., Kooistra, H.S. and Okkens, A.C., Hypoluteoidism in a bitch, (64) (2005) 213
Goryczko, K., *see* Dietrich, G.J., (64) (2005) 1809
Graham, J.K. and Mocé, E., Fertility evaluation of frozen/thawed semen, (64) (2005) 492
Graham, J.K., *see* Kirk, E.S., (64) (2005) 1422
Gray, K.R., *see* Purcell, S.H., (64) (2005) 867
Griese, J., *see* Wetscher, F., (64) (2005) 30
Grignard, E., Morin, J., Vernet, P. and Drevet, J.R., GPX5 orthologs of the mouse epididymis-restricted and sperm-bound selenium-independent glutathione peroxidase are not expressed with the same quantitative and spatial characteristics in large domestic animals, (64) (2005) 1016
Gröhn, Y.T., *see* Haugan, T., (64) (2005) 891
Guard, C.L., *see* Gilbert, R.O., (64) (2005) 1879
Guignot, F., *see* Moussa, M., (64) (2005) 1619
Gupta, H.K., *see* Gupta, S., (64) (2005) 1273
Gupta, S., Gupta, H.K. and Soni, J., Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, (64) (2005) 1273
Guérin, P., *see* Buff, S., (64) (2005) 1603
Gutiérrez, R., *see* López-Gatius, F., (64) (2005) 252
Gutiérrez, R., *see* Soler, C., (64) (2005) 1236

Gutiérrez-Adán, A., *see* Madrid-Bury, N., (64) (2005) 232
Gwazdauskas, F.C., *see* Walters, A.H., (64) (2005) 1404

Han, Z.-B., *see* Ma, S.-F., (64) (2005) 1142
Hanrahan, J.P., *see* O'Meara, C.M., (64) (2005) 1797
Hara, T., *see* Valdez Jr., D.M., (64) (2005) 112
Harayama, H., *see* Toyokawa, K., (64) (2005) 378
Harris, S.E., Gopichandran, N., Picton, H.M., Leese, H.J. and Orsi, N.M., Nutrient concentrations in murine follicular fluid and the female reproductive tract, (64) (2005) 992
Hartwich, K.M., *see* Kakar, M.A., (64) (2005) 1090
Hässig, M., *see* Bodmer, M., (64) (2005) 1647
Hässig, M., *see* Janett, F., (64) (2005) 1867
Haugan, T., Reksen, O., Gröhn, Y.T., Gaustad, A.H. and Hofmo, P.O., A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, (64) (2005) 891
Havlicek, V., *see* Wetscher, F., (64) (2005) 30, 41
He, Y.-P., *see* Liu, W.-X., (64) (2005) 1114
Hernández, M., *see* Gil, M.A., (64) (2005) 305
Herraez, P., *see* Martinez-Pastor, F., (64) (2005) 958
Herráez, M.P., *see* Robles, V., (64) (2005) 1633
Hidalgo, C.O., *see* Diez, C., (64) (2005) 317
Higaki, T., *see* Shrestha, H.K., (64) (2005) 855
Hinrichs, K., Update on equine ICSI and cloning, (64) (2005) 535
Hochi, S., *see* Laowtammathron, C., (64) (2005) 1185
Hoffmann, G., *see* Kauffold, J., (64) (2005) 1546
Hofmo, P.O., *see* Haugan, T., (64) (2005) 891
Hogg, C.O., *see* Watson, E.D., (64) (2005) 1371
Hohn, B., *see* Kaneko, T., (64) (2005) 1704
Hollinshead, F.K., *see* Morton, K.M., (64) (2005) 363
Hong, H., *see* Zhang, M., (64) (2005) 902
Hong, J.Y., *see* Yong, H.Y., (64) (2005) 1245
Hong, S.B., *see* Park, C.Y., (64) (2005) 1158
Horteloup, M.P., Threlfall, W.R. and Funk, J.A., The early conception factor (ECF™) lateral flow assay for non-pregnancy determination in the mare, (64) (2005) 1061
Hosgood, G., *see* Eilts, B.E., (64) (2005) 242
Hou, Y.-P., Dai, Y.-P., Zhu, S.-E., Zhu, H.-B., Wu, T.-Y., Gong, G.-C., Wang, H.-P., Wang, L.-L., Liu, Y., Li, R., Wan, R. and Li, N., Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, (64) (2005) 1381
Hsu, Y.-T., *see* Huang, S.-Y., (64) (2005) 1940
Huang, P., *see* Liu, W.-X., (64) (2005) 1114
Huang, S.-Y., Tam, M.-F., Hsu, Y.-T., Lin, J.-H., Chen, H.-H., Chuang, C.-k., Chen, M.-Y., King, Y.-T. and Lee, W.-C., Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, (64) (2005) 1940
Huang, S.-Z., *see* Yang, X.-Y., (64) (2005) 1263
Huber, T., *see* Wetscher, F., (64) (2005) 30, 41
Hultén, F., *see* Ljungvall, K., (64) (2005) 1170
Humpherson, P.G., Leese, H.J. and Sturmey, R.G., Amino acid metabolism of the porcine blastocyst, (64) (2005) 1852

Iguer-Ouada, M., *see* Verstegen, J.P., (64) (2005) 720
Imboden, I., *see* Janett, F., (64) (2005) 1867
Inaba, T., *see* Sakase, M., (64) (2005) 1197
Ingram, K., *see* Kershaw, C.M., (64) (2005) 1225
Inoue, K., *see* Mochida, K., (64) (2005) 135
Iritani, A., *see* Amano, T., (64) (2005) 261
Itoh, S., *see* Suzuki, C., (64) (2005) 1287
Izquierdo, D., *see* Albarracín, J.L., (64) (2005) 1740
Izquierdo, D., *see* Jiménez-Macedo, A.-R., (64) (2005) 1249

Janett, F., Aebi, L., Burger, D., Imboden, I., Hässig, M., Kindahl, H. and Thun, R., Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, (64) (2005) 1867
Janett, F., *see* Bodmer, M., (64) (2005) 1647
Jelezarsky, L.V., *see* Vaisberg, C.N., (64) (2005) 416
Jiang, S., *see* Ju, J.-C., (64) (2005) 1677
Jiménez-Macedo, A.-R., Izquierdo, D., Anguita, B. and Paramio, M.-T., Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats, (64) (2005) 1249
Johnson, S.K., Possibilities with today's reproductive technologies, (64) (2005) 639
Johnston, S.D., *see* de Jong, C.E., (64) (2005) 1072
Johnston, S.D., *see* Kustritz, M.V.R., (64) (2005) 1333
Jonker, F.H., *see* Breukelman, S.P., (64) (2005) 917
Jonsson, N., *see* de Jong, C.E., (64) (2005) 1072
Joyce, I.M., *see* Muruvi, W., (64) (2005) 1357
Ju, J.-C., Jiang, S., Tseng, J.-K., Parks, J.E. and Yang, X., Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes, (64) (2005) 1677
Juhasz, J., *see* Nagy, P., (64) (2005) 292

Kádár, E., *see* Bassols, J., (64) (2005) 1995
Kakar, M.A., Maddocks, S., Lorimer, M.F., Kleemann, D.O., Rudiger, S.R., Hartwich,

K.M. and Walker, S.K., The effect of peri-conception nutrition on embryo quality in the super-ovulated ewe, (64) (2005) 1090
Kaneko, T., Moisyadi, S., Suganuma, R., Hohn, B., Yanagimachi, R. and Pelczar, P., Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection, (64) (2005) 1704
Kang, S.K., *see* Yong, H.Y., (64) (2005) 1245
Karlsson, P., *see* Ljungvall, K., (64) (2005) 1170
Karunakaran, M., *see* Dhali, A., (64) (2005) 2010
Kasai, M., *see* Mochida, K., (64) (2005) 135
Kasai, M., *see* Valdez Jr., D.M., (64) (2005) 112
Kastelic, J.P., *see* Ambrose, J.D., (64) (2005) 1457
Kauffold, J., Rautenberg, T., Hoffmann, G., Beynon, N., Schellenberg, I. and Sobiraj, A., A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs, (64) (2005) 1546
Kauss, D., *see* Lechniak, D., (64) (2005) 202
Kawarasaki, T., *see* Suzuki, C., (64) (2005) 1287
Kawate, N., *see* Sakase, M., (64) (2005) 1197
Keates, H.L., *see* Beebe, L.F.S., (64) (2005) 879
Kemp, B., *see* Gerritsen, R., (64) (2005) 1518
Kemp, B., *see* Roelofs, J.B., (64) (2005) 1690
Kenny, D.A., *see* Stronge, A.J.H., (64) (2005) 1212
Kershaw, C.M., Khalid, M., McGowan, M.R., Ingram, K., Leethongdee, S., Wax, G. and Scaramuzzi, R.J., The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, (64) (2005) 1225
Ketudat-Cairns, M., *see* Laowtammathron, C., (64) (2005) 1185
Khalid, M., *see* Kershaw, C.M., (64) (2005) 1225
Khatir, H., *see* Tibary, A., (64) (2005) 618
Kikuchi, K., *see* Suzuki, C., (64) (2005) 1287
Kim, J.-M., *see* Park, Y.-S., (64) (2005) 123
Kim, K.S., *see* Park, C.Y., (64) (2005) 1158
Kim, S.-S., *see* Park, Y.-S., (64) (2005) 123
Kindahl, H., *see* Breukelman, S.P., (64) (2005) 917
Kindahl, H., *see* Janett, F., (64) (2005) 1867
King, M.J., *see* Robles, V., (64) (2005) 1633
King, Y.-T., *see* Huang, S.-Y., (64) (2005) 1940
Kirk, E.S., Squires, E.L. and Graham, J.K., Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, (64) (2005) 1422
Kleemann, D.O., *see* Kakar, M.A., (64) (2005) 1090
Kocsis, L., *see* Bajcsy, Á.C., (64) (2005) 99
Kokolis, N.A., *see* Tsantarliotou, M.P., (64) (2005) 1007
Kooistra, H.S., *see* Görlinger, S., (64) (2005) 213
Koppel, J., *see* Fabian, D., (64) (2005) 221
Kragh, P.M., Du, Y., Corydon, T.J., Purup, S., Bolund, L. and Vajta, G., Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation, (64) (2005) 1536
Kuo, Y.-M., Shiue, Y.-L., Chen, C.-F., Tang, P.-C. and Lee, Y.-P., Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, (64) (2005) 1490
Kuster, C., Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, (64) (2005) 614
Kustritz, M.V.R., Johnston, S.D., Olson, P.N. and Lindeman, C.J., Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000), (64) (2005) 1333
Kutzler, M.A., Semen collection in the dog, (64) (2005) 747

Lambert, V., *see* Buff, S., (64) (2005) 1603
Langendijk, P., *see* Gerritsen, R., (64) (2005) 1518
Laowtammathron, C., Lorthongpanich, C., Ketudat-Cairns, M., Hochi, S. and Parnpai, R., Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, (64) (2005) 1185
Lavara, F., *see* Lavara, R., (64) (2005) 1130
Lavara, R., Mocé, E., Lavara, F., Viudes de Castro, M.P. and Vicente, J.S., Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, (64) (2005) 1130
Lechniak, D., Szczepankiewicz, D., Kauss, D., Szulc, J. and Szydłowski, M., IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, (64) (2005) 202
Lee, B.C., *see* Yong, H.Y., (64) (2005) 1245
Lee, E.S., *see* Yong, H.Y., (64) (2005) 1245
Lee, H.T., *see* Park, C.Y., (64) (2005) 1158
Lee, S.-L., *see* Cheng, F.-P., (64) (2005) 844
Lee, W.-C., *see* Huang, S.-Y., (64) (2005) 1940
Lee, W.-M., *see* Cheng, F.-P., (64) (2005) 844
Lee, Y.-P., *see* Kuo, Y.-M., (64) (2005) 1490
Leese, H.J., *see* Harris, S.E., (64) (2005) 992
Leese, H.J., *see* Humpherson, P.G., (64) (2005) 1852
Leethongdee, S., *see* Kershaw, C.M., (64) (2005) 1225
Legendre, X., *see* Locatelli, Y., (64) (2005) 1729
Lei, L., *see* Zhang, M., (64) (2005) 902

Leoni, G., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Leroy, J.L.M.R., Opsomer, G., De Vliegher, S., Vanholder, T., Goossens, L., Geldhof, A., Bols, P.E.J., de Kruif, A. and Van Soom, A., Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, (64) (2005) 2022
Li, H., *see* Yang, X.-Y., (64) (2005) 1263
Li, H.-W., *see* Yang, X.-Y., (64) (2005) 1263
Li, N., *see* Hou, Y.-P., (64) (2005) 1381
Li, R., *see* Hou, Y.-P., (64) (2005) 1381
Lin, J.-H., *see* Huang, S.-Y., (64) (2005) 1940
Linde Forsberg, C., *see* Chatdarong, K., (64) (2005) 12
Lindeman, C.J., *see* Kustritz, M.V.R., (64) (2005) 1333
Liu, H.-F., *see* Yang, X.-Y., (64) (2005) 1263
Liu, W.-X., Zheng, Y., Luo, M.-J., Huang, P., Yue, L.-M., Wang, L., He, Y.-P. and Zhang, J.-H., Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching, (64) (2005) 1114
Liu, X.-Y., *see* Ma, S.-F., (64) (2005) 1142
Liu, Y., *see* Hou, Y.-P., (64) (2005) 1381
Ljungvall, K., Karlsson, P., Hultén, F., Madej, A., Norrgren, L., Einarsson, S., Rodriguez-Martinez, H. and Magnusson, U., Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, (64) (2005) 1170
Locatelli, Y., Cognié, Y., Vallet, J.C., Baril, G., Verdier, M., Poulin, N., Legendre, X. and Mermillod, P., Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, (64) (2005) 1729
Lonergan, P., *see* O'Meara, C.M., (64) (2005) 1797
Loomis, P.R. and Squires, E.L., Frozen semen management in equine breeding programs, (64) (2005) 480
Lopes da Costa, L., *see* Chagas e Silva, J., (64) (2005) 49
Lopes, R.F.F., *see* de Oliveira, A.T.D., (64) (2005) 1559
Lopez-Alonso, C., Encinas, T., Veiga-Lopez, A., Garcia-Garcia, R.M., Cocero, M.J., Ros, J.M., McNeilly, A.S. and Gonzalez-Bulnes, A., Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist, (64) (2005) 1833
López-Gatius, F., Sances, G., Sancho, M., Yániz, J., Santolaria, P., Gutiérrez, R., Núñez, M., Núñez, J. and Soler, C., Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, (64) (2005) 252
López-Gatius, F., *see* Yániz, J., (64) (2005) 1844
Lorimer, M.F., *see* Kakar, M.A., (64) (2005) 1090
Lorthongpanich, C., *see* Laowtammathron, C., (64) (2005) 1185
Lu, F., Shi, D., Wei, J., Yang, S. and Wei, Y., Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), (64) (2005) 1309
Lunstra, D.D., *see* Ellis, R.W., (64) (2005) 657
Luo, M.-J., *see* Liu, W.-X., (64) (2005) 1114
Lyle, S.K. and Ferrer, M.S., Low-dose insemination—Why, when and how, (64) (2005) 572

Ma, S.-F., Liu, X.-Y., Miao, D.-Q., Han, Z.-B., Zhang, X., Miao, Y.-L., Yanagimachi, R. and Tan, J.-H., Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, (64) (2005) 1142
Macpherson, M.L., Treatment strategies for mares with placentitis, (64) (2005) 528
Maddocks, S., *see* Kakar, M.A., (64) (2005) 1090
Maddox-Hyttel, P., *see* Fabian, D., (64) (2005) 221
Madej, A., *see* Ljungvall, K., (64) (2005) 1170
Madrid-Bury, N., Pérez-Gutiérrez, J.F., Pérez-Garnelo, S., Moreira, P., Sanjuanbenito, B.P., Gutiérrez-Adán, A. and de la Fuente Martínez, J., Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa, (64) (2005) 232
Maes, D., *see* Rijsselaere, T., (64) (2005) 706
Magnusson, U., *see* Ljungvall, K., (64) (2005) 1170
Mao, J., Wu, G.-M., Prather, R.S., Smith, M.F., Cantley, T., Rieke, A., Didion, B.A. and Day, B.N., Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, (64) (2005) 1913
Marchal, T., *see* Buff, S., (64) (2005) 1603
Marco-Jiménez, F., Puchades, S., Gadea, J., Vicente, J.S. and Viudes-de-Castro, M.P., Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa, (64) (2005) 1756
Martí, J.I., *see* Yániz, J., (64) (2005) 1844
Martignat, L., *see* Ali Al Ahmad, M.Z., (64) (2005) 1656
Martinez, E.A., *see* Almiñana, C., (64) (2005) 1783
Martinez, E.A., *see* Parrilla, I., (64) (2005) 86

Martinez-Pastor, F., Diaz-Corujo, A.R., Anel, E., Herraez, P., Anel, L. and de Paz, P., Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, (64) (2005) 958
Martínez, E.A., *see* Gil, M.A., (64) (2005) 305
Matsumoto, K., *see* Amano, T., (64) (2005) 261
Maxwell, W.M.C., *see* Morton, K.M., (64) (2005) 363
Maxwell, W.M.C., *see* Morton, K.M., (64) (2005) 1320
McGowan, M.R., *see* Kershaw, C.M., (64) (2005) 1225
McNeilly, A.S., *see* Lopez-Alonso, C., (64) (2005) 1833
Mech, A., *see* Dhali, A., (64) (2005) 2010
Mee, J.F., *see* Stronge, A.J.H., (64) (2005) 1212
Men, H., Agca, Y., Critser, E.S. and Critser, J.K., Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, (64) (2005) 1340
Mermillod, P., *see* Locatelli, Y., (64) (2005) 1729
Mermillod, P., *see* Moussa, M., (64) (2005) 1619, 1823
Miao, D.-Q., *see* Ma, S.-F., (64) (2005) 1142
Miao, Y.-L., *see* Ma, S.-F., (64) (2005) 1142
Minter, L.J. and DeLiberto, T.J., Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, (64) (2005) 1898
Miranda, P., *see* De los Reyes, M., (64) (2005) 1
Mishra, D.P., *see* Dhali, A., (64) (2005) 2010
Miyake, M., *see* Toyokawa, K., (64) (2005) 378
Miyamoto, A., *see* Valdez, Jr., D.M., (64) (2005) 112
Moallem, U., *see* Argov, N., (64) (2005) 1475
Mocé, E., *see* Graham, J.K., (64) (2005) 492
Mocé, E., *see* Lavara, R., (64) (2005) 1130
Mochida, K., Ohkawa, M., Inoue, K., Valdez, Jr, D.M., Kasai, M. and Ogura, A., Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, (64) (2005) 135
Mogas, T., *see* Albarracín, J.L., (64) (2005) 1740
Moisyadi, S., *see* Kaneko, T., (64) (2005) 1704
Morató, R., *see* Albarracín, J.L., (64) (2005) 1740
Moreira, P., *see* Madrid-Bury, N., (64) (2005) 232
Moreira, P.N., *see* Soler, C., (64) (2005) 1236
Mori, T., *see* Amano, T., (64) (2005) 261
Morin, J., *see* Grignard, E., (64) (2005) 1016
Morris, D.G., *see* Casey, O.M., (64) (2005) 1963
Morris, D.G., *see* Stronge, A.J.H., (64) (2005) 1212
Morton, K.M., Catt, S.L., Hollinshead, F.K., Chis Maxwell, W.M. and Evans, G., The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes, (64) (2005) 363
Morton, K.M., Catt, S.L., Maxwell, W.M.C. and Evans, G., In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes, (64) (2005) 1320
Mota-Rojas, D., Rosales, A.M., Trujillo, M.E., Orozco, H., Ramírez, R. and Alonso-Spilsbury, M., The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, (64) (2005) 1889
Moussa, M., Bersinger, I., Doligez, P., Guignot, F., Duchamp, G., Vidament, M., Mermillod, P. and Bruyas, J.-F., In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, (64) (2005) 1619
Moussa, M., Perreau, C., Baril, G., Duchamp, G., Vidament, M., Daels, P., Bruyas, J.-F. and Mermillod, P., Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, (64) (2005) 1823
Mulder, E.J.H., *see* Breukelman, S.P., (64) (2005) 917
Müller, M., *see* Wetscher, F., (64) (2005) 30
Müller, M., *see* Wetscher, F., (64) (2005) 41
Muruvi, W., Picton, H.M., Rodway, R.G. and Joyce, I.M., In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, (64) (2005) 1357

Nagai, T., *see* Shiga, K., (64) (2005) 334
Nagy, P., Juhasz, J. and Wernery, U., Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), (64) (2005) 292
Naitana, S., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Nakao, T., *see* Shrestha, H.K., (64) (2005) 855
Némedi, I., *see* Breukelman, S.P., (64) (2005) 917
Newman, M., *see* Velazquez, M.A., (64) (2005) 1977
Nielsen, J.M., Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, (64) (2005) 510

Noda, M., *see* Sakase, M., (64) (2005) 1197
Norrgren, L., *see* Ljungvall, K., (64) (2005) 1170
Nöthling, J.O., Shuttleworth, R., de Haas, K. and Thompson, P.N., Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP, (64) (2005) 975
Nowshari, M.A. and Ali, S.A., Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*), (64) (2005) 1526
Nowshari, M.A., *see* Wani, N.A., (64) (2005) 75
Núñez, J., *see* López-Gatius, F., (64) (2005) 252
Núñez, J., *see* Soler, C., (64) (2005) 1236
Núñez, M., *see* López-Gatius, F., (64) (2005) 252
Núñez, M., *see* Soler, C., (64) (2005) 1236

O'Doherty, J.V., *see* Crosby, T.F., (64) (2005) 1121
O'Donnell, A., *see* Crosby, T.F., (64) (2005) 1121
Ogura, A., *see* Mochida, K., (64) (2005) 135
Ohkawa, M., *see* Mochida, K., (64) (2005) 135
Olson, P.N., *see* Kustritz, M.V.R., (64) (2005) 1333
O'Meara, C.M., Hanrahan, J.P., Donovan, A., Fair, S., Rizos, D., Wade, M., Boland, M.P., Evans, A.C.O. and Lonergan, P., Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, (64) (2005) 1797
Onclin, K., *see* Ronsse, V., (64) (2005) 61
Onclin, K., *see* Verstegen, J.P., (64) (2005) 720
Opsomer, G., *see* Leroy, J.L.M.R., (64) (2005) 2022
Orozco, H., *see* Mota-Rojas, D., (64) (2005) 1889
Orsi, N.M., *see* Harris, S.E., (64) (2005) 992
Oste, M., *see* Aerts, J.M.J., (64) (2005) 947
Østergaard, S., Friggens, N.C. and Chagunda, M.G.G., Technical and economic effects of an inline progesterone indicator in a dairy herd estimated by stochastic simulation, (64) (2005) 819
Ostgard, S., *see* Bajcsy, Á.C., (64) (2005) 99
Overton, M.W. and Sischo, W.M., Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, (64) (2005) 603
Overton, M.W., Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, (64) (2005) 589

Paccamonti, D.L., *see* Eilts, B.E., (64) (2005) 242
Palmer, C.W., Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, (64) (2005) 469
Palominos, J., *see* De los Reyes, M., (64) (2005) 1
Palomo, M.J., *see* Rivera, M.M., (64) (2005) 934
Panzani, D., *see* Carnevale, E.M., (64) (2005) 519
Paramio, M.-T., *see* Jiménez-Macedo, A.-R., (64) (2005) 1249
Park, C., *see* Park, C.Y., (64) (2005) 1158
Park, C.Y., Uhm, S.J., Song, S.J., Kim, K.S., Hong, S.B., Chung, K.S., Park, C. and Lee, H.T., Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, (64) (2005) 1158
Park, H.-D., *see* Park, Y.-S., (64) (2005) 123
Park, Y.-S., Kim, S.-S., Kim, J.-M., Park, H.-D. and Byun, M.-D., The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, (64) (2005) 123
Parks, J.E., *see* Ju, J.-C., (64) (2005) 1677
Parnpai, R., *see* Laowtammathron, C., (64) (2005) 1185
Parrilla, I., Vazquez, J.M., Gil, M.A., Caballero, I., Almiñana, C., Roca, J. and Martinez, E.A., Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, (64) (2005) 86
Paul, V. and Prakash, B.S., Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Bubalus bubalis*), (64) (2005) 1049
Pearson, R.E., *see* Walters, A.H., (64) (2005) 1404
Peixoto, C.H., *see* Bortolozzo, F.P., (64) (2005) 1956
Pelczar, P., *see* Kaneko, T., (64) (2005) 1704
Peng, Z., *see* Zhang, M., (64) (2005) 1297
Perreau, C., *see* Moussa, M., (64) (2005) 1823
Petrunkina, A.M., Volker, G., Brandt, H., Töpfer-Petersen, E. and Waberski, D., Functional significance of responsiveness to capacitating conditions in boar spermatozoa, (64) (2005) 1766
Phillips, N., *see* de Jong, C.E., (64) (2005) 1072
Picton, H.M., *see* Harris, S.E., (64) (2005) 992
Picton, H.M., *see* Muruvi, W., (64) (2005) 1357
Pinart, E., *see* Bassols, J., (64) (2005) 1995
Pogany, K., *see* Breukelman, S.P., (64) (2005) 917
Portillo, G.E., *see* Bridges, G.A., (64) (2005) 344
Poulet, H., *see* Ronsse, V., (64) (2005) 61
Poulin, N., *see* Locatelli, Y., (64) (2005) 1729
Powell, R., *see* Casey, O.M., (64) (2005) 1963
Pozor, M., Diagnostic applications of ultrasonography to stallion's reproductive tract, (64) (2005) 505
Pozzobon, M.C., *see* Bortolozzo, F.P., (64) (2005) 1956
Prakash, B.S., *see* Paul, V., (64) (2005) 1049
Prather, R.S., *see* Mao, J., (64) (2005) 1913

Pérez-Garnelo, S., *see* Madrid-Bury, N., (64) (2005) 232
Pérez-Gutiérrez, J.F., *see* Madrid-Bury, N., (64) (2005) 232
Pruneda, A., *see* Bassols, J., (64) (2005) 1995
Puchades, S., *see* Marco-Jiménez, F., (64) (2005) 1756
Purcell, S.H., Beal, W.E. and Gray, K.R., Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle, (64) (2005) 867
Purup, S., *see* Kragh, P.M., (64) (2005) 1536

Quinn, P.J., *see* Crosby, T.F., (64) (2005) 1121
Quintero-Moreno, A., *see* Rivera, M.M., (64) (2005) 934

Rajamahendran, R., *see* Ambrose, J.D., (64) (2005) 1457
Rajkhowa, C., *see* Dhali, A., (64) (2005) 2010
Ramalho-Santos, J., *see* Gamboa, S., (64) (2005) 275
Ramírez, R., *see* Mota-Rojas, D., (64) (2005) 1889
Rautenberg, T., *see* Kauffold, J., (64) (2005) 1546
Rawlings, N.C., *see* Duggavathi, R., (64) (2005) 393
Rawson, D.M., *see* Adams, S.L., (64) (2005) 1591
Reichert, P., *see* Bodmer, M., (64) (2005) 1647
Reksen, O., *see* Haugan, T., (64) (2005) 891
Revy, D., *see* Breukelman, S.P., (64) (2005) 917
Richard, M.-M., *see* Sellier, N., (64) (2005) 429
Rieke, A., *see* Mao, J., (64) (2005) 1913
Rigau, T., *see* Rivera, M.M., (64) (2005) 934
Rijsselaere, T., Van Soom, A., Tanghe, S., Coryn, M., Maes, D. and de Kruif, A., New techniques for the assessment of canine semen quality: A review, (64) (2005) 706
Rivera, M.M., Quintero-Moreno, A., Barrera, X., Palomo, M.J., Rigau, T. and Rodríguez-Gil, J.E., Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis, (64) (2005) 934
Rizos, D., *see* O'Meara, C.M., (64) (2005) 1797
Robles, V., Cabrita, E., Fletcher, G.L., Shears, M.A., King, M.J. and Herráez, M.P., Vitrification assays with embryos from a cold tolerant subarctic fish species, (64) (2005) 1633
Roca, J., *see* Almiñana, C., (64) (2005) 1783
Roca, J., *see* Gil, M.A., (64) (2005) 305
Roca, J., *see* Parrilla, I., (64) (2005) 86
Rodríguez, A., *see* Diez, C., (64) (2005) 317
Rodríguez-Gil, J.E., *see* Rivera, M.M., (64) (2005) 934
Rodríguez-Martínez, H., *see* Gil, M.A., (64) (2005) 305
Rodrigues, J.L., *see* de Oliveira, A.T.D., (64) (2005) 1559
Rodriguez-Martinez, H., *see* Almiñana, C., (64) (2005) 1783
Rodriguez-Martinez, H., *see* Ljungvall, K., (64) (2005) 1170
Rodway, R.G., *see* Muruvi, W., (64) (2005) 1357
Roelofs, J.B., van Eerdenburg, F.J.C.M., Soede, N.M. and Kemp, B., Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, (64) (2005) 1690
Romero, J.J., Van Breda, S., Vargas, B., Dolz, G. and Frankena, K., Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, (64) (2005) 1928
Ronsse, V., Verstegen, J., Thiry, E., Onclin, K., Aeberlé, C., Brunet, S. and Poulet, H., Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies, (64) (2005) 61
Root Kustritz, M.V., Reproductive behavior of small animals, (64) (2005) 734
Root Kustritz, M.V., Pregnancy diagnosis and abnormalities of pregnancy in the dog, (64) (2005) 755
Ros, J.M., *see* Lopez-Alonso, C., (64) (2005) 1833
Rosales, A.M., *see* Mota-Rojas, D., (64) (2005) 1889
Rosati, I., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Rudiger, S.R., *see* Kakar, M.A., (64) (2005) 1090
Rungsipipat, A., *see* Chatdarong, K., (64) (2005) 12
Rupp, G.P., *see* Ellis, R.W., (64) (2005) 657

Saacke, R.G., *see* Walters, A.H., (64) (2005) 1404
Sakase, M., Seo, Y., Fukushima, M., Noda, M., Takeda, K., Ueno, S., Inaba, T., Tamada, H., Sawada, T. and Kawate, N., Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, (64) (2005) 1197
Sances, G., *see* López-Gatius, F., (64) (2005) 252
Sancho, M., *see* López-Gatius, F., (64) (2005) 252
Sancho, M., *see* Soler, C., (64) (2005) 1236
Sancho, S., *see* Bassols, J., (64) (2005) 1995
Sanjuanbenito, B.P., *see* Madrid-Bury, N., (64) (2005) 232
Santolaria, P., *see* López-Gatius, F., (64) (2005) 252
Santolaria, P., *see* Yániz, J., (64) (2005) 1844
Sawada, T., *see* Sakase, M., (64) (2005) 1197

Scaramuzzi, R.J., *see* Kershaw, C.M., (64) (2005) 1225
Schellander, K., *see* Wetscher, F., (64) (2005) 30
Schellenberg, I., *see* Kauffold, J., (64) (2005) 1546
Schenk, J.L., *see* Suh, T.K., (64) (2005) 1035
Seidel, Jr., G.E., *see* Suh, T.K., (64) (2005) 1035
Sellier, N., Brun, J.-M., Richard, M.-M., Batellier, F., Dupuy, V. and Brillard, J.-P., Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, (64) (2005) 429
Seneda, M.M., *see* Andrade, E.R., (64) (2005) 1104
Seo, Y., *see* Sakase, M., (64) (2005) 1197
Seren, E., *see* Spinaci, M., (64) (2005) 191
Shears, M.A., *see* Robles, V., (64) (2005) 1633
Shen, G., *see* Zhang, M., (64) (2005) 1297
Shi, D., *see* Lu, F., (64) (2005) 1309
Shiga, K., Umeki, H., Shimura, H., Fujita, T., Watanabe, S. and Nagai, T., Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, (64) (2005) 334
Shimura, H., *see* Shiga, K., (64) (2005) 334
Shin, S.T., *see* Gilbert, R.O., (64) (2005) 1879
Shiue, Y.-L., *see* Kuo, Y.-M., (64) (2005) 1490
Shrestha, H.K., Nakao, T., Suzuki, T., Akita, M. and Higaki, T., Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan, (64) (2005) 855
Shuttleworth, R., *see* Nöthling, J.O., (64) (2005) 975
Silvestre, M.A., *see* Yániz, J., (64) (2005) 1844
Sischo, W.M., *see* Overton, M.W., (64) (2005) 603
Sklan, D., *see* Argov, N., (64) (2005) 1475
Small, V., *see* Bucca, S., (64) (2005) 542
Smith, C., *see* de Jong, C.E., (64) (2005) 1072
Smith, M.F., *see* Mao, J., (64) (2005) 1913
Smith, R.F., *see* Velazquez, M.A., (64) (2005) 1977
Sobiraj, A., *see* Kauffold, J., (64) (2005) 1546
Soede, N.M., *see* Gerritsen, R., (64) (2005) 1518
Soede, N.M., *see* Roelofs, J.B., (64) (2005) 1690
Soler, A.J., Esteso, M.C., Fernández-Santos, M.R. and Garde, J.J., Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, (64) (2005) 1503
Soler, A.J., *see* Soler, C., (64) (2005) 1236
Soler, C., Gadea, B., Soler, A.J., Fernández-Santos, M.R., Esteso, M.C., Núñez, J., Moreira, P.N., Núñez, M., Gutiérrez, R., Sancho, M. and Garde, J.J., Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, (64) (2005) 1236
Soler, C., *see* López-Gatius, F., (64) (2005) 252
Song, S.J., *see* Park, C.Y., (64) (2005) 1158
Soni, J., *see* Gupta, S., (64) (2005) 1273
Spencer, T.E., *see* Bazer, F.W., (64) (2005) 442
Spinaci, M., Ambrogi, M.D., Volpe, S., Galeati, G., Tamanini, C. and Seren, E., Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, (64) (2005) 191
Squires, E.L., *see* Carnevale, E.M., (64) (2005) 519
Squires, E.L., *see* Kirk, E.S., (64) (2005) 1422
Squires, E.L., *see* Loomis, P.R., (64) (2005) 480
Sreenan, J.M., *see* Casey, O.M., (64) (2005) 1963
Sreenan, J.M., *see* Stronge, A.J.H., (64) (2005) 1212
Stokes, J.E., *see* Carnevale, E.M., (64) (2005) 519
Stronge, A.J.H., Sreenan, J.M., Diskin, M.G., Mee, J.F., Kenny, D.A. and Morris, D.G., Post-insemination milk progesterone concentration and embryo survival in dairy cows, (64) (2005) 1212
Sturmey, R.G., *see* Humpherson, P.G., (64) (2005) 1852
Succu, S., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Suganuma, R., *see* Kaneko, T., (64) (2005) 1704
Suh, T.K., Schenk, J.L. and Seidel, Jr., G.E., High pressure flow cytometric sorting damages sperm, (64) (2005) 1035
Sulon, J., *see* Breukelman, S.P., (64) (2005) 917
Suzuki, C., Yoshioka, K., Itoh, S., Kawarasaki, T. and Kikuchi, K., In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, (64) (2005) 1287
Suzuki, T., *see* Shrestha, H.K., (64) (2005) 855
Szczepankiewicz, D., *see* Lechniak, D., (64) (2005) 202
Szenci, O., *see* Bajcsy, Á.C., (64) (2005) 99
Szenci, O., *see* Breukelman, S.P., (64) (2005) 917
Szpyrka, A., *see* Dietrich, G.J., (64) (2005) 1809
Szűcs, I., *see* Bajcsy, Á.C., (64) (2005) 99
Szulc, J., *see* Lechniak, D., (64) (2005) 202
Szydlowski, M., *see* Lechniak, D., (64) (2005) 202

Taitzoglou, I.A., *see* Tsantarliotou, M.P., (64) (2005) 1007
Takeda, K., *see* Sakase, M., (64) (2005) 1197
Tam, M.-F., *see* Huang, S.-Y., (64) (2005) 1940
Tamada, H., *see* Sakase, M., (64) (2005) 1197
Tamanini, C., *see* Spinaci, M., (64) (2005) 191
Tamargo, C., *see* Diez, C., (64) (2005) 317
Tan, J.-H., *see* Ma, S.-F., (64) (2005) 1142

Tang, H., *see* Zhang, M., (64) (2005) 1297
Tang, P.-C., *see* Kuo, Y.-M., (64) (2005) 1490
Tanghe, S., *see* Rijsselaere, T., (64) (2005) 706
Tao, Y., *see* Zhang, M., (64) (2005) 902
Taverne, M.A.M., *see* Bajcsy, Á.C., (64) (2005) 99
Taverne, M.A.M., *see* Breukelman, S.P., (64) (2005) 917
Taverne, M.A.M., *see* van Dijk, A.J., (64) (2005) 1573
Tesfaye, D., *see* Wetscher, F., (64) (2005) 30
Thatcher, W.W., *see* Bridges, G.A., (64) (2005) 344
Thiry, E., *see* Ronsse, V., (64) (2005) 61
Thompson, P.N., *see* Nöthling, J.O., (64) (2005) 975
Threlfall, W.R., *see* Horteloup, M.P., (64) (2005) 1061
Thun, R., *see* Bodmer, M., (64) (2005) 1647
Thun, R., *see* Janett, F., (64) (2005) 1867
Thys, M., *see* Verberckmoes, S., (64) (2005) 1716
Tibary, A., Anouassi, A. and Khatir, H., Update on reproductive biotechnologies in small ruminants and camelids, (64) (2005) 618
Toniolli, R., *see* Andrade, E.R., (64) (2005) 1104
Toyokawa, K., Harayama, H. and Miyake, M., Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, (64) (2005) 378
Töpfer-Petersen, E., *see* Petrunkina, A.M., (64) (2005) 1766
Trujillo, M.E., *see* Mota-Rojas, D., (64) (2005) 1889
Tsai, P.-S., *see* Cheng, F.-P., (64) (2005) 844
Tsantarliotou, M.P., Zervos, I.A., Vatzias, G., Billinis, C., Taitzoglou, I.A. and Kokolis, N.A., Plasminogen activator activity in the porcine oviduct during the oestrous cycle, (64) (2005) 1007
Tseng, J.-K., *see* Ju, J.-C., (64) (2005) 1677

Uemoto, D.A., *see* Bortolozzo, F.P., (64) (2005) 1956
Ueno, S., *see* Sakase, M., (64) (2005) 1197
Uhm, S.J., *see* Park, C.Y., (64) (2005) 1158
Umeki, H., *see* Shiga, K., (64) (2005) 334

Vaisberg, C.N., Jelezarsky, L.V., Dishlianova, B. and Chaushev, T.A., Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, (64) (2005) 416
Vajta, G., *see* Kragh, P.M., (64) (2005) 1536
Valdez Jr, D.M., *see* Mochida, K., (64) (2005) 135
Valdez Jr., D.M., Miyamoto, A., Hara, T., Edashige, K. and Kasai, M., Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, (64) (2005) 112
Vallet, J.C., *see* Locatelli, Y., (64) (2005) 1729
Van Breda, S., *see* Romero, J.J., (64) (2005) 1928
van der Lende, T., *see* van Dijk, A.J., (64) (2005) 1573
van der Weijden, B., *see* Breukelman, S.P., (64) (2005) 917
van der Weijden, G.C., *see* Bajcsy, Á.C., (64) (2005) 99
van Dijk, A.J., van Rens, B.T.T.M., van der Lende, T. and Taverne, M.A.M., Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, (64) (2005) 1573
van Eerdenburg, F.J.C.M., *see* Roelofs, J.B., (64) (2005) 1690
van Rens, B.T.T.M., *see* van Dijk, A.J., (64) (2005) 1573
Van Soom, A., *see* Leroy, J.L.M.R., (64) (2005) 2022
Van Soom, A., *see* Rijsselaere, T., (64) (2005) 706
Van Soom, A., *see* Verberckmoes, S., (64) (2005) 1716
Vanholder, T., *see* Leroy, J.L.M.R., (64) (2005) 2022
Vargas, B., *see* Romero, J.J., (64) (2005) 1928
Vatzias, G., *see* Tsantarliotou, M.P., (64) (2005) 1007
Vazquez, J.M., *see* Almiñana, C., (64) (2005) 1783
Vazquez, J.M., *see* Parrilla, I., (64) (2005) 86
Vázquez, J.M., *see* Gil, M.A., (64) (2005) 305
Veiga-Lopez, A., *see* Gonzalez-Bulnes, A., (64) (2005) 1392
Veiga-Lopez, A., *see* Lopez-Alonso, C., (64) (2005) 1833
Velazquez, M.A., Newman, M., Christie, M.F., Cripps, P.J., Crowe, M.A., Smith, R.F. and Dobson, H., The usefulness of a single measurement of insulin-like growth factor-1 as a predictor of embryo yield and pregnancy rates in a bovine MOET program, (64) (2005) 1977
Verberckmoes, S., Van Soom, A., Dewulf, J., Thys, M. and de Kruif, A., Low dose insemination in cattle with the Ghent device, (64) (2005) 1716
Verdier, M., *see* Locatelli, Y., (64) (2005) 1729
Vernet, P., *see* Grignard, E., (64) (2005) 1016
Verstegen, J., *see* Ronsse, V., (64) (2005) 61
Verstegen, J.P., Onclin, K. and Iguer-Ouada, M., Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, (64) (2005) 720
Vicente, J.S., *see* Lavara, R., (64) (2005) 1130
Vicente, J.S., *see* Marco-Jiménez, F., (64) (2005) 1756

Vidament, M., *see* Moussa, M., (64) (2005) 1619
Vidament, M., *see* Moussa, M., (64) (2005) 1823
Viudes de Castro, M.P., *see* Lavara, R., (64) (2005) 1130
Viudes de Castro, M.P., *see* Marco-Jiménez, F., (64) (2005) 1756
Volker, G., *see* Petrunkina, A.M., (64) (2005) 1766
Volpe, S., *see* Spinaci, M., (64) (2005) 191

Waberski, D., *see* Petrunkina, A.M., (64) (2005) 1766
Wade, M., *see* O'Meara, C.M., (64) (2005) 1797
Walker, S.K., *see* Kakar, M.A., (64) (2005) 1090
Walters, A.H., Saacke, R.G., Pearson, R.E. and Gwazdauskas, F.C., The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, (64) (2005) 1404
Wan, R., *see* Hou, Y.-P., (64) (2005) 1381
Wang, F., *see* Zhang, M., (64) (2005) 902
Wang, H.-P., *see* Hou, Y.-P., (64) (2005) 1381
Wang, L., *see* Liu, W.-X., (64) (2005) 1114
Wang, L.-L., *see* Hou, Y.-P., (64) (2005) 1381
Wani, N.A. and Nowshari, M.A., Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, (64) (2005) 75
Watanabe, S., *see* Shiga, K., (64) (2005) 334
Watanabe, T., *see* Amano, T., (64) (2005) 261
Watson, E.D., Bae, S.-E., Al-zi'abi, M.O., Hogg, C.O. and Armstrong, D.G., Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea, (64) (2005) 1371
Wax, G., *see* Kershaw, C.M., (64) (2005) 1225
Wei, J., *see* Lu, F., (64) (2005) 1309
Wei, Y., *see* Lu, F., (64) (2005) 1309
Wentz, I., *see* Bortolozzo, F.P., (64) (2005) 1956
Wernery, U., *see* Nagy, P., (64) (2005) 292
Wetscher, F., Havlicek, V., Huber, T., Gilles, M., Tesfaye, D., Griese, J., Wimmers, K., Schellander, K., Müller, M., Brem, G. and Besenfelder, U., Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, (64) (2005) 30
Wetscher, F., Havlicek, V., Huber, T., Müller, M., Brem, G. and Besenfelder, U., Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, (64) (2005) 41
Wimmers, K., *see* Wetscher, F., (64) (2005) 30
Wojtczak, M., *see* Dietrich, G.J., (64) (2005) 1809
Wolfe, D.F., Message from the Guest Editor, (64) (2005) 441
Wu, G.-M., *see* Mao, J., (64) (2005) 1913
Wu, J.-T., *see* Cheng, F.-P., (64) (2005) 844
Wu, T.-Y., *see* Hou, Y.-P., (64) (2005) 1381
Wu, Z., *see* Zhang, M., (64) (2005) 1297

Xia, G., *see* Zhang, M., (64) (2005) 902, 1297
Xie, H., *see* Zhang, M., (64) (2005) 902

Yan, J., *see* Zhang, M., (64) (2005) 1297
Yanagimachi, R., *see* Kaneko, T., (64) (2005) 1704
Yanagimachi, R., *see* Ma, S.-F., (64) (2005) 1142
Yang, S., *see* Lu, F., (64) (2005) 1309
Yang, X., *see* Ju, J.-C., (64) (2005) 1677
Yang, X.-Y., Zhao, J.-G., Li, H.-W., Li, H., Liu, H.-F., Huang, S.-Z. and Zeng, Y.-T., Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, (64) (2005) 1263
Yániz, J., Martí, J.I., Silvestre, M.A., Folch, J., Santolaria, P., Alabart, J.L. and López-Gatius, F., Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, (64) (2005) 1844
Yániz, J., *see* López-Gatius, F., (64) (2005) 252
Yelich, J.V., *see* Bridges, G.A., (64) (2005) 344
Yeste, M., *see* Bassols, J., (64) (2005) 1995
Yong, H.Y., Hong, J.Y., Kang, S.K., Lee, B.C., Lee, E.S. and Hwang, W.S., Erratum to "Sperm movement in the ooplasm, dithiothreitol pretreatment and sperm freezing are not required for the development of porcine embryos derived from injection of head membrane-damaged sperm" [Theriogenology 63 (2005) 783–794], (64) (2005) 1245
Yoshioka, K., *see* Suzuki, C., (64) (2005) 1287
Yue, L.-M., *see* Liu, W.-X., (64) (2005) 1114

Żakowski, Ł., *see* Dietrich, G.J., (64) (2005) 1809
Zambelli, D. and Cunto, M., Transcervical artificial insemination in the cat, (64) (2005) 698
Zambelli, D. and Cunto, M., Vaginal and cervical modifications during the estrus cycle in the domestic cat, (64) (2005) 679
Zeng, Y.-T., *see* Yang, X.-Y., (64) (2005) 1263
Zervos, I.A., *see* Tsantarliotou, M.P., (64) (2005) 1007
Zhang, J., *see* Zhang, M., (64) (2005) 1297
Zhang, J.-H., *see* Liu, W.-X., (64) (2005) 1114
Zhang, M., Tang, H., Shen, G., Zhou, B., Wu, Z., Peng, Z., Zhang, J., Yan, J. and Xia, G., Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, (64) (2005) 1297

Zhang, M., Tao, Y., Xia, G., Xie, H., Hong, H., Wang, F. and Lei, L., Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, (64) (2005) 902
Zhang, T., *see* Adams, S.L., (64) (2005) 1591
Zhang, X., *see* Ma, S.-F., (64) (2005) 1142
Zhao, J.-G., *see* Yang, X.-Y., (64) (2005) 1263
Zheng, Y., *see* Liu, W.-X., (64) (2005) 1114
Zhou, B., *see* Zhang, M., (64) (2005) 1297
Zhu, H.-B., *see* Hou, Y.-P., (64) (2005) 1381
Zhu, S.-E., *see* Hou, Y.-P., (64) (2005) 1381

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Subject Index, Volume 64

Abnormal spermatozoa

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Abortion

Hypoluteoidism in a bitch, 64 (2005) 213

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, 64 (2005) 1928

Accessory sex glands

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Acrosome integrity

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Acrosome reaction

SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, 64 (2005) 275

Effects of cryo-injury on progesterone receptor(s) of canine spermatozoa and its response to progesterone, 64 (2005) 844

Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, 64 (2005) 1297

Activity

Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, 64 (2005) 1690

Adenosine

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, 64 (2005) 1783

Adult fibroblast cells

Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), 64 (2005) 1309

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, 64 (2005) 1381

AFPs

Vitrification assays with embryos from a cold tolerant sub-arctic fish species, 64 (2005) 1633

Aging

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, 64 (2005) 519

Aglepristone

Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, 64 (2005) 917

Alanine

Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Alternatives to electroejaculation

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, 64 (2005) 469

doi:10.1016/S0093-691X(05)00467-X

Amino acid turnover

Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Amino acids

Isolation, culture and characteristics of epididymal epithelial cells from adult cats, 64 (2005) 1603

Anatomy

The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, 64 (2005) 1225

Aneuploidy

Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, 64 (2005) 1158

Animal welfare

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, 64 (2005) 469

Annexin-V

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

Anoestrus

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Antioxidant

Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, 64 (2005) 416

Apoptosis

Apoptotic processes during mammalian preimplantation development, 64 (2005) 221

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Arginine

Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Artificial insemination

Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, 64 (2005) 429

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, 64 (2005) 589

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, 64 (2005) 603

Possibilities with today's reproductive technologies, 64 (2005) 639

Vaginal and cervical modifications during the estrus cycle in the domestic cat, 64 (2005) 679

Transcervical artificial insemination in the cat, 64 (2005) 698

The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, 64 (2005) 1225

Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility, 64 (2005) 1956

Assisted reproduction

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, 64 (2005) 519

Assisted reproductive technique

Transcervical artificial insemination in the cat, 64 (2005) 698

Atrial natriuretic peptide (ANP)

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, 64 (2005) 902

Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, 64 (2005) 1297

Auditory stimulus

Effects of (artificial) boar stimuli on uterine activity in estrous sows, 64 (2005) 1518

Bacterial culture

Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000), 64 (2005) 1333

Bacteriology

Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, 64 (2005) 510

Beef cattle

Possibilities with today's reproductive technologies, 64 (2005) 639

Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle, 64 (2005) 867

Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, 64 (2005) 1197

Biotechnology

Reproductive biology in the era of genomics biology, 64 (2005) 442

Birth interval

Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, 64 (2005) 1573

Blastocyst rate

Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

Blastocysts

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, 64 (2005) 317

Changes to porcine blastocyst vitrification methods and improved litter size after transfer, 64 (2005) 879

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Boar

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

Effects of (artificial) boar stimuli on uterine activity in estrous sows, 64 (2005) 1518

Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, 64 (2005) 1995

Boar semen

Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis, 64 (2005) 934

Body condition

Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan, 64 (2005) 855

Body condition score

Post-insemination milk progesterone concentration and embryo survival in dairy cows, 64 (2005) 1212

Bos indicus

Efficacy of either a single or split treatment of $PGF_{2\alpha}$ after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers, 64 (2005) 344

Bovine

Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, 64 (2005) 1263

Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), 64 (2005) 1309

Testicular development in Brahman bulls, 64 (2005) 1440

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, 64 (2005) 1963

Bovine embryo

Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, 64 (2005) 1559

Bovine oocytes

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, 64 (2005) 1381

Bovine reproduction

Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, 64 (2005) 947

Brahman

Testicular development in Brahman bulls, 64 (2005) 1440

BrdU

In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, 64 (2005) 1619

Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, 64 (2005) 1823

Breeding

Reproductive behavior of small animals, 64 (2005) 734

Breeding injuries

Fertility of yearling beef bulls during mating, 64 (2005) 657

Breeding soundness evaluation

Fertility of yearling beef bulls during mating, 64 (2005) 657

Buffalo

Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), 64 (2005) 1309

Bull

Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa, 64 (2005) 232

Relationship between semen quality and pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls, 64 (2005) 408

Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, 64 (2005) 416

Fertility of yearling beef bulls during mating, 64 (2005) 657

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, 64 (2005) 469

Caffeine

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, 64 (2005) 1783

Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, 64 (2005) 1913

Camelid

Update on reproductive biotechnologies in small ruminants and camelids, 64 (2005) 618

Canine

Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes, 64 (2005) 1

Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies, 64 (2005) 61

Factors affecting gestation duration in the bitch, 64 (2005) 242

Theoretical aspects of canine cryopreserved semen evaluation, 64 (2005) 685

Theoretical aspects of canine semen cryopreservation, 64 (2005) 692

Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000), 64 (2005) 1333

Capacitation

Functional significance of responsiveness to capacitating conditions in boar spermatozoa, 64 (2005) 1766

Caprine arthritis encephalitis virus (CAEV)

Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, 64 (2005) 1656

CASA

Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, 64 (2005) 252

Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, 64 (2005) 614

New techniques for the assessment of canine semen quality: A review, 64 (2005) 706

Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, 64 (2005) 1130

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Caspase intensity

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Cat

Reproductive behavior of small animals, 64 (2005) 734

Isolation, culture and characteristics of epididymal epithelial cells from adult cats, 64 (2005) 1603

Cattle

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, 64 (2005) 41

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, 64 (2005) 49

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, 64 (2005) 123

Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, 64 (2005) 334

Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes, 64 (2005) 1677

Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, 64 (2005) 1690

Low dose insemination in cattle with the Ghent device, 64 (2005) 1716

The usefulness of a single measurement of insulin-like growth factor-1 as a predictor of embryo yield and pregnancy rates in a bovine MOET program, 64 (2005) 1977

CD44

Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, 64 (2005) 378

cDNA array

Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, 64 (2005) 1963

Cell number

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, 64 (2005) 123

Cervix

The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, 64 (2005) 1225

Chilled semen

Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, 64 (2005) 720

Chilling injury

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, 64 (2005) 112

Chromatin stability

Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa, 64 (2005) 232

CIDR

Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle, 64 (2005) 867

Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, 64 (2005) 1197

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

CL

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, 64 (2005) 49

Cleavage rate

Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

Cloning

Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, 64 (2005) 334

Cohort analysis

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, 64 (2005) 603

Co-incubation time

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, 64 (2005) 1783

Colostrum

Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, 64 (2005) 1121

Comet assay

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Concentration

Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, 64 (2005) 614

Contrast medium

Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat, 64 (2005) 12

Corpora lutea

Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, 64 (2005) 1392

Corpus luteum

Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), 64 (2005) 292

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea, 64 (2005) 1371

Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, 64 (2005) 1963

Cortisol

Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, 64 (2005) 1273

Cost of reproduction

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, 64 (2005) 589

Cow

Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, 64 (2005) 1273

Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, 64 (2005) 1647

Coyote

Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, 64 (2005) 1898

Cryopreservation

Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, 64 (2005) 135

Theoretical aspects of canine cryopreserved semen evaluation, 64 (2005) 685

Theoretical aspects of canine semen cryopreservation, 64 (2005) 692

Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching, 64 (2005) 1114

Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, 64 (2005) 1340

Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, 64 (2005) 1503

In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, 64 (2005) 1619

Vitrification assays with embryos from a cold tolerant sub-arctic fish species, 64 (2005) 1633

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Cryopreserved

Fertility evaluation of frozen/thawed semen, 64 (2005) 492

Cryotop

Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, 64 (2005) 1185

Culture

Isolation, culture and characteristics of epididymal epithelial cells from adult cats, 64 (2005) 1603

Cumulus cells

Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, 64 (2005) 261

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, 64 (2005) 1656

Cyclodextrin

Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, 64 (2005) 1913

Cytochalasin B

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Cytology

Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, 64 (2005) 510

Post-breeding inflammation and endometrial cytology in mares, 64 (2005) 580

Cytoplasmic droplet

Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, 64 (2005) 1995

Cytoplasmic maturation

Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, 64 (2005) 261

Dairy

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

Dairy cattle

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, 64 (2005) 1928

Dairy cow

Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, 64 (2005) 99

Technical and economic effects of an inline progesterone indicator in a dairy herd estimated by stochastic simulation, 64 (2005) 819

Post-insemination milk progesterone concentration and embryo survival in dairy cows, 64 (2005) 1212

Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, 64 (2005) 2022

Dairy heifers

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

DAPI

In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, 64 (2005) 1619

Deep horn insemination

Low-dose insemination—Why, when and how, 64 (2005) 572

Delayed uterine clearance

Low-dose insemination—Why, when and how, 64 (2005) 572

Developmental biology

Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, 64 (2005) 1170

Developmental potential

Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching, 64 (2005) 1114

Developmental stage

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, 64 (2005) 112

Diagnosis

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Diameter

IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, 64 (2005) 202

Digital manipulation

Semen collection in the dog, 64 (2005) 747

Diluent

Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, 64 (2005) 1844

Diploid oocyte

IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, 64 (2005) 202

6-DMAP

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Dog

Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, 64 (2005) 720

Reproductive behavior of small animals, 64 (2005) 734

Semen collection in the dog, 64 (2005) 747

Pregnancy diagnosis and abnormalities of pregnancy in the dog, 64 (2005) 755

Induction and synchronization of estrus in dogs, 64 (2005) 766

Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP, 64 (2005) 975

Dog semen

New techniques for the assessment of canine semen quality: A review, 64 (2005) 706

Domestic cat

Vaginal and cervical modifications during the estrus cycle in the domestic cat, 64 (2005) 679

Transcervical artificial insemination in the cat, 64 (2005) 698

Domestic chicken

Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, 64 (2005) 1490

Dopamine agonist

Induction and synchronization of estrus in dogs, 64 (2005) 766

Dromedary camel

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, 64 (2005) 75

Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), 64 (2005) 292

Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*), 64 (2005) 1526

Duck

Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, 64 (2005) 429

Duration

Factors affecting gestation duration in the bitch, 64 (2005) 242

Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, 64 (2005) 1573

Early conception factor

The early conception factor (ECF™) lateral flow assay for non-pregnancy determination in the mare, 64 (2005) 1061

Early puerperium

Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, 64 (2005) 99

Economics

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, 64 (2005) 589

EGF

Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, 64 (2005) 1104

Egg production

Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, 64 (2005) 1490

Ejaculation

Semen collection in the dog, 64 (2005) 747

Electroejaculation

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, 64 (2005) 469

Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), 64 (2005) 1072

Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa, 64 (2005) 1756

Embryo

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, 64 (2005) 49

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, 64 (2005) 112

The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes, 64 (2005) 363

Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, 64 (2005) 378

Update on equine ICSI and cloning, 64 (2005) 535

The effect of peri-conception nutrition on embryo quality in the superovulated ewe, 64 (2005) 1090

Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, 64 (2005) 1263

Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, 64 (2005) 1392

The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos, 64 (2005) 1591

In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, 64 (2005) 1619

Vitrification assays with embryos from a cold tolerant sub-arctic fish species, 64 (2005) 1633

Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, 64 (2005) 1823

Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Embryo colour

Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, 64 (2005) 2022

Embryo cryopreservation

In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes, 64 (2005) 1320

Embryo development

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, 64 (2005) 123

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Embryo mortality

Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, 64 (2005) 429

Embryo quality

Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, 64 (2005) 2022

Embryo structure

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, 64 (2005) 41

Embryo survival

Post-insemination milk progesterone concentration and embryo survival in dairy cows, 64 (2005) 1212

Embryo transfer

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, 64 (2005) 30

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, 64 (2005) 123

Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle, 64 (2005) 867

Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows, 64 (2005) 1669

The usefulness of a single measurement of insulin-like growth factor-1 as a predictor of embryo yield and pregnancy rates in a bovine MOET program, 64 (2005) 1977

Endocytosis

Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, 64 (2005) 1475

Endometrial biopsy

Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, 64 (2005) 510

Endometrial cells

Post-breeding inflammation and endometrial cytology in mares, 64 (2005) 580

Endometritis

Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, 64 (2005) 510

Post-breeding inflammation and endometrial cytology in mares, 64 (2005) 580

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

Endoscopy

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, 64 (2005) 30

Epidemiology

Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies, 64 (2005) 61

Epididymal culture

Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, 64 (2005) 1995

Epididymal spermatozoa

Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, 64 (2005) 1503

Epididymis

Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, 64 (2005) 135

Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, 64 (2005) 958

GPX5 orthologs of the mouse epididymis-restricted and sperm-bound selenium-independent glutathione peroxidase are not expressed with the same quantitative and spatial characteristics in large domestic animals, 64 (2005) 1016

Isolation, culture and characteristics of epididymal epithelial cells from adult cats, 64 (2005) 1603

Epithelial cells

Isolation, culture and characteristics of epididymal epithelial cells from adult cats, 64 (2005) 1603

Equine

SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, 64 (2005) 275

Frozen semen management in equine breeding programs, 64 (2005) 480

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, 64 (2005) 519

Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, 64 (2005) 542

The early conception factor (ECF™) lateral flow assay for non-pregnancy determination in the mare, 64 (2005) 1061

In vitro comparisons of two cryopreservation techniques for equine embryos: Slow-cooling and open pulled straw (OPS) vitrification, 64 (2005) 1619

Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, 64 (2005) 1823

Equine spermatozoa

Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, 64 (2005) 1422

Erection

Semen collection in the dog, 64 (2005) 747

Estradiol benzoate

Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, 64 (2005) 1197

Estradiol cypionate

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

Estrous cycle

Vaginal and cervical modifications during the estrus cycle in the domestic cat, 64 (2005) 679

Endocrine control of estrous cycle in mithun (*Bos frontalis*), 64 (2005) 2010

Estrous synchronization

Efficacy of either a single or split treatment of $PGF_{2\alpha}$ after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers, 64 (2005) 344

Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Eubalus bubalis*), 64 (2005) 1049

Estrus

Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, 64 (2005) 1690

Estrus induction

Induction and synchronization of estrus in dogs, 64 (2005) 766

Evaluation

Fertility evaluation of frozen/thawed semen, 64 (2005) 492

Ewe

Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, 64 (2005) 1121

In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes, 64 (2005) 1320

Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, 64 (2005) 1392

Extender

Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, 64 (2005) 720

Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, 64 (2005) 1898

External medium composition

The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos, 64 (2005) 1591

Farm conditions

Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, 64 (2005) 99

Farrowing performance

The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, 64 (2005) 1889

Feline

Vaginal and cervical modifications during the estrus cycle in the domestic cat, 64 (2005) 679

Female pig

A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs, 64 (2005) 1546

Female reproductive tract

Vaginal and cervical modifications during the estrus cycle in the domestic cat, 64 (2005) 679

Nutrient concentrations in murine follicular fluid and the female reproductive tract, 64 (2005) 992

Fertility

Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, 64 (2005) 252

Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, 64 (2005) 334

Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, 64 (2005) 416

Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, 64 (2005) 429

Frozen semen management in equine breeding programs, 64 (2005) 480

Fertility evaluation of frozen/thawed semen, 64 (2005) 492

Fertility of yearling beef bulls during mating, 64 (2005) 657

Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP, 64 (2005) 975

Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, 64 (2005) 1130

Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, 64 (2005) 1422

Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, 64 (2005) 1647

Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

Fertility decline

Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, 64 (2005) 2022

Fertilization

SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, 64 (2005) 275

Update on equine ICSI and cloning, 64 (2005) 535

Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes, 64 (2005) 1677

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Fetal death

Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, 64 (2005) 917

Fetal gender

Equine fetal gender determination from mid- to advanced-gestation by ultrasound, 64 (2005) 568

Fetal heart rate

Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, 64 (2005) 917

Fetal-placental development

Reproductive biology in the era of genomics biology, 64 (2005) 442

Fetus

Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, 64 (2005) 542

Equine fetal gender determination from mid- to advanced-gestation by ultrasound, 64 (2005) 568

Fiber types

Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

Ficoll

Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, 64 (2005) 1185

Field fertility

Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa, 64 (2005) 232

Flow cytometry

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

High pressure flow cytometric sorting damages sperm, 64 (2005) 1035

Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa, 64 (2005) 1756

Flow sorting

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

Flunixin meglumine

Effect of a CIDR insert and flunixin meglumine, administered at the time of embryo transfer, on pregnancy rate and resynchronization of estrus in beef cattle, 64 (2005) 867

Fluorescent staining

New techniques for the assessment of canine semen quality: A review, 64 (2005) 706

Flying fox

Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), 64 (2005) 1072

Follicle

Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist, 64 (2005) 1833

Follicle-stimulating hormone

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, 64 (2005) 902

Endocrine control of estrous cycle in mithun (*Bos frontalis*), 64 (2005) 2010

Freezing injury

Effects of cryo-injury on progesterone receptor(s) of canine spermatozoa and its response to progesterone, 64 (2005) 844

Freezing rates

Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, 64 (2005) 1898

Frozen

Fertility evaluation of frozen/thawed semen, 64 (2005) 492

Frozen semen

Frozen semen management in equine breeding programs, 64 (2005) 480

Frozen-thawed semen

Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

Frozen–thawed Spermatozoa

In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, 64 (2005) 1287

FSH

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, 64 (2005) 1104

Gamete biology

SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, 64 (2005) 275

Gelatin

Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, 64 (2005) 252

Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, 64 (2005) 1844

Gene expression

Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, 64 (2005) 1559

Genetic sperm defects

Genetic sperm defects, 64 (2005) 457

Genital tract

Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, 64 (2005) 1656

Genomics

Reproductive biology in the era of genomics biology, 64 (2005) 442

Gestation

Factors affecting gestation duration in the bitch, 64 (2005) 242

Pregnancy diagnosis and abnormalities of pregnancy in the dog, 64 (2005) 755

Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, 64 (2005) 1121

Ghent device

Low dose insemination in cattle with the Ghent device, 64 (2005) 1716

Giant panda

Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, 64 (2005) 1297

GIFT

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, 64 (2005) 30

Gilt

Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility, 64 (2005) 1956

Glut-1

Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, 64 (2005) 1559

Glutathione peroxidase 5

GPX5 orthologs of the mouse epididymis-restricted and sperm-bound selenium-independent glutathione peroxidase are not expressed with the same quantitative and spatial characteristics in large domestic animals, 64 (2005) 1016

Glutathione peroxidase (GPx)

Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, 64 (2005) 416

GnRH agonist

Induction and synchronization of estrus in dogs, 64 (2005) 766

GnRH analogues

Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist, 64 (2005) 1833

Goat

Update on reproductive biotechnologies in small ruminants and camelids, 64 (2005) 618

Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats, 64 (2005) 1249

Gonadotropin

Induction and synchronization of estrus in dogs, 64 (2005) 766

Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*), 64 (2005) 1526

Growth

Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, 64 (2005) 334

Handling

Frozen semen management in equine breeding programs, 64 (2005) 480

Hatching

Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, 64 (2005) 1185

hCG

Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes, 64 (2005) 1

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, 64 (2005) 49

Heat shock

Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes, 64 (2005) 1677

Heat stress

Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, 64 (2005) 1475

Heat-shock proteins
Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, 64 (2005) 1940

Heifers
Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, 64 (2005) 1647

Hemacytometer
Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, 64 (2005) 614

Herpesvirus
Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies, 64 (2005) 61

Heterogeneity
Functional significance of responsiveness to capacitating conditions in boar spermatozoa, 64 (2005) 1766

Heterospermic semen
A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, 64 (2005) 891

High-yielding
Comparison of embryo quality in high-yielding dairy cows, in dairy heifers and in beef cows, 64 (2005) 2022

Histochemistry
Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

Histology
Endometritis in the mare: A diagnostic study comparing cultures from swab and biopsy, 64 (2005) 510

HMC
Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation, 64 (2005) 1536

Homospermic semen
A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, 64 (2005) 891

Horse
Update on equine ICSI and cloning, 64 (2005) 535
Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, 64 (2005) 542

Hsp 70.1
Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, 64 (2005) 1559

Human
Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Hyaluronic acid
Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, 64 (2005) 378
Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte coincubation, 64 (2005) 1783

Hyaluronic acid binding
Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, 64 (2005) 1158

Hybrid
Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, 64 (2005) 1263

Hypothalamus
Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, 64 (2005) 1490

Hysteroscopic insemination
Low-dose insemination—Why, when and how, 64 (2005) 572

IAA
Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, 64 (2005) 1104

ICSI
Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, 64 (2005) 1158

Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats, 64 (2005) 1249

IGF-1

The usefulness of a single measurement of insulin-like growth factor-1 as a predictor of embryo yield and pregnancy rates in a bovine MOET program, 64 (2005) 1977

IGFBP-2

Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea, 64 (2005) 1371

Immunoglobulin

Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, 64 (2005) 1121

In vitro

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

In vitro blastocyst development

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

In vitro culture

Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, 64 (2005) 1340

In vitro fertilization

The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes, 64 (2005) 363

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, 64 (2005) 1783

Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, 64 (2005) 1913

In vitro maturation

Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes, 64 (2005) 1

The effects of duration of in vitro maturation of bovine oocytes on subsequent development, quality and transfer of embryos, 64 (2005) 123

In vitro production

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, 64 (2005) 41

Gene expression and developmental competence of bovine embryos produced in vitro under varying embryo density conditions, 64 (2005) 1559

In vivo culture

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, 64 (2005) 30

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, 64 (2005) 41

Inbreeding

Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows, 64 (2005) 1669

Induced ovulation

Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), 64 (2005) 292

Infection

Treatment strategies for mares with placentitis, 64 (2005) 528

Inflammation

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

Inner cell mass

The effect of peri-conception nutrition on embryo quality in the superovulated ewe, 64 (2005) 1090

Inositol 1,4,5-trisphosphate

Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, 64 (2005) 261

Insemination to ovulation interval
Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility, 64 (2005) 1956

Interspecies
Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), 64 (2005) 1309

Intracellular calcium ion
Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, 64 (2005) 261

Intracytoplasmic sperm injection
Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection, 64 (2005) 1704

Intrauterine insemination
Transcervical artificial insemination in the cat, 64 (2005) 698

Intravaginal insemination
Transcervical artificial insemination in the cat, 64 (2005) 698

Ionized calcium
Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, 64 (2005) 99

ISAS®
Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, 64 (2005) 1236

IVC
Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305
In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, 64 (2005) 1287

IVF
Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, 64 (2005) 135
Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305
Update on reproductive biotechnologies in small ruminants and camelids, 64 (2005) 618
Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats, 64 (2005) 1249
In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, 64 (2005) 1287
Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

IVM
IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, 64 (2005) 202
Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305

KL
In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, 64 (2005) 1357

LAA
Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, 64 (2005) 1185

Laboratory assays
Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, 64 (2005) 1422

Lamb
In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes, 64 (2005) 1320

Lectin-aggregates
In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, 64 (2005) 1357

Levator ani muscle

Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

LH

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

Lipoprotein

Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, 64 (2005) 1475

Liquid boar semen

A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, 64 (2005) 891

Liquid-stored Spermatozoa

In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, 64 (2005) 1287

Litter size

Changes to porcine blastocyst vitrification methods and improved litter size after transfer, 64 (2005) 879

Litters

Factors affecting gestation duration in the bitch, 64 (2005) 242

Low dose insemination

Low-dose insemination—Why, when and how, 64 (2005) 572

Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, 64 (2005) 1647

Low dose insemination in cattle with the Ghent device, 64 (2005) 1716

Luteinizing hormone

Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, 64 (2005) 1170

Endocrine control of estrous cycle in mithun (*Bos frontalis*), 64 (2005) 2010

Luteolysis

Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea, 64 (2005) 1371

Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, 64 (2005) 1963

Male fertility

Genetic sperm defects, 64 (2005) 457

Male reproductive tract

Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, 64 (2005) 1170

Mantiqueira cows

Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows, 64 (2005) 1669

Mare

Treatment strategies for mares with placentitis, 64 (2005) 528

Equine fetal gender determination from mid- to advanced-gestation by ultrasound, 64 (2005) 568

Low-dose insemination—Why, when and how, 64 (2005) 572

Post-breeding inflammation and endometrial cytology in mares, 64 (2005) 580

Expression of mRNA encoding insulin-like growth factor binding protein-2 (IGFBP-2) during induced and natural regression of equine corpora lutea, 64 (2005) 1371

Maturation

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, 64 (2005) 317

Medaka

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, 64 (2005) 112

Mediterranean photoperiod

Natural Mediterranean photoperiod does not affect the main parameters of boar-semen quality analysis, 64 (2005) 934

Meiosis

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, 64 (2005) 902

Meiotic arrest

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, 64 (2005) 317

Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, 64 (2005) 1740

Meiotic resumption

Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, 64 (2005) 1740

Meiotic spindle

Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, 64 (2005) 1740

Membrane integrity

Functional significance of responsiveness to capacitating conditions in boar spermatozoa, 64 (2005) 1766

Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, 64 (2005) 1995

Membrane permeability

The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos, 64 (2005) 1591

Methods collection

Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa, 64 (2005) 1756

Microfilament

Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, 64 (2005) 1740

Microinjection

Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection, 64 (2005) 1704

Microtubule

Heat shock reduces developmental competence and alters spindle configuration of bovine oocytes, 64 (2005) 1677

Effects of roscovitine on the nuclear and cytoskeletal components of calf oocytes and their subsequent development, 64 (2005) 1740

Milk production

Post-insemination milk progesterone concentration and embryo survival in dairy cows, 64 (2005) 1212

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, 64 (2005) 1928

Milk progesterone

Post-insemination milk progesterone concentration and embryo survival in dairy cows, 64 (2005) 1212

Mithun

Endocrine control of estrous cycle in mithun (*Bos frontalis*), 64 (2005) 2010

Mitochondrial activity

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Mitosis

Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat, 64 (2005) 12

Model

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Morphology

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, 64 (2005) 558

Morphometry

Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, 64 (2005) 1236

Mothering

Reproductive behavior of small animals, 64 (2005) 734

Motility

High pressure flow cytometric sorting damages sperm, 64 (2005) 1035

Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, 64 (2005) 1422

Mouse

Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, 64 (2005) 135

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Mouse embryo

Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching, 64 (2005) 1114

MTT

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Mule

Comparison of fertility and embryo mortality following artificial insemination of common duck females (*Anas Platyrhynchos*) with semen from common or Muscovy (*Cairina Moschata*) drakes, 64 (2005) 429

Multivariate analyses

Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305

Murine follicular fluid

Nutrient concentrations in murine follicular fluid and the female reproductive tract, 64 (2005) 992

Murrah buffalo

Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Bubalus bubalis*), 64 (2005) 1049

Natural service

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, 64 (2005) 589

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, 64 (2005) 603

Necrotic blastomeres

Effects of removal of necrotic blastomeres from mouse cryopreserved embryos on blastocyst formation and hatching, 64 (2005) 1114

Neospora

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, 64 (2005) 1928

Neutrophils

Post-breeding inflammation and endometrial cytology in mares, 64 (2005) 580

Normal development

Apoptotic processes during mammalian preimplantation development, 64 (2005) 221

Northern blots

Analysis of gene expression in non-regressed and regressed bovine corpus luteum tissue using a customized ovarian cDNA array, 64 (2005) 1963

NSAID

Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, 64 (2005) 1867

Nuclear maturation

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, 64 (2005) 75

Nuclear transfer

Update on equine ICSI and cloning, 64 (2005) 535

Update on reproductive biotechnologies in small ruminants and camelids, 64 (2005) 618

Factors affecting cryosurvival of nuclear-transferred bovine and swamp buffalo blastocysts: effects of hatching stage, linoleic acid–albumin in IVC medium and Ficoll supplementation to vitrification solution, 64 (2005) 1185

Development of embryos reconstructed by interspecies nuclear transfer of adult fibroblasts between buffalo (*Bubalus bubalis*) and cattle (*Bos indicus*), 64 (2005) 1309

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, 64 (2005) 1381

Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation, 64 (2005) 1536

Oestrus detection

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Offspring

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Oocyte

Effect of human chorionic gonadotrophin supplementation during different culture periods on in vitro maturation of canine oocytes, 64 (2005) 1

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, 64 (2005) 75

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, 64 (2005) 317

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, 64 (2005) 519

Update on equine ICSI and cloning, 64 (2005) 535

In vitro and in vivo developmental capabilities and kinetics of in vitro development of in vitro matured oocytes from adult, unstimulated and hormone-stimulated prepubertal ewes, 64 (2005) 1320

In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, 64 (2005) 1357

Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, 64 (2005) 1392

Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, 64 (2005) 1656

Oocyte activation

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Oocyte penetration

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

Oocyte transfer

Factors affecting the success of oocyte transfer in a clinical program for subfertile mares, 64 (2005) 519

Oocyte–cumulus complexes

Nutrient concentrations in murine follicular fluid and the female reproductive tract, 64 (2005) 992

Open pulled straw vitrification

Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, 64 (2005) 1340

OPS

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, 64 (2005) 1381

OPU

Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, 64 (2005) 1263

Orthologs

GPX5 orthologs of the mouse epididymis-restricted and sperm-bound selenium-independent glutathione peroxidase are not expressed with the same quantitative and spatial characteristics in large domestic animals, 64 (2005) 1016

Ovarian cyclicity

Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan, 64 (2005) 855

Ovarian follicle

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Ovarian follicular development

Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, 64 (2005) 1475

Ovarian steroids

Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, 64 (2005) 1197

Ovary

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, 64 (2005) 75

Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, 64 (2005) 947

Oviduct

Intrafallopian transfer of gametes and early stage embryos for in vivo culture in cattle, 64 (2005) 30

Effect of morphological properties of transferred embryonic stages on tubal migration. Implications for in vivo culture in the bovine oviduct, 64 (2005) 41

Plasminogen activator activity in the porcine oviduct during the oestrous cycle, 64 (2005) 1007

Ovine

Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, 64 (2005) 1104

Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, 64 (2005) 1844

Ovsynch

Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Bubalus bubalis*), 64 (2005) 1049

Effect of CIDR-based protocols for timed-AI on the conception rate and ovarian functions of Japanese Black beef cows in the early postpartum period, 64 (2005) 1197

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

Ovulation

Efficacy of the Ovsynch protocol for synchronization of ovulation and fixed-time artificial insemination in Murrah buffaloes (*Bubalus bubalis*), 64 (2005) 1049

Ovulation time

Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, 64 (2005) 1690

Oxidative stress

Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, 64 (2005) 1273

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Oxytocin

The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, 64 (2005) 1889

Pain measurement

Welfare aspects of theriogenology: Investigating alternatives to electroejaculation of bulls, 64 (2005) 469

Parthenogenesis

Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, 64 (2005) 378

Partial budget

Cost comparison of natural service sires and artificial insemination for dairy cattle reproductive management, 64 (2005) 589

Parturition

Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, 64 (2005) 1573

PCR

Proviral DNA of caprine arthritis encephalitis virus (CAEV) is detected in cumulus oophorus cells but not in oocytes from naturally infected goats, 64 (2005) 1656

Pedometer

Pedometer readings for estrous detection and as predictor for time of ovulation in dairy cattle, 64 (2005) 1690

Penetration

The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, 64 (2005) 1225

Penetration rate

Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, 64 (2005) 1844

$PGF_{2\alpha}$-metabolite

Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, 64 (2005) 917

Pheromones

Effects of (artificial) boar stimuli on uterine activity in estrous sows, 64 (2005) 1518

Phthalates

Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, 64 (2005) 1170

Pig

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, 64 (2005) 202

Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305

Exogenous hyaluronic acid enhances porcine parthenogenetic embryo development in vitro possibly mediated by CD44, 64 (2005) 378

Changes to porcine blastocyst vitrification methods and improved litter size after transfer, 64 (2005) 879

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, 64 (2005) 902

Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, 64 (2005) 1158

In vitro fertilization and subsequent development of porcine oocytes using cryopreserved and liquid-stored spermatozoa from various boars, 64 (2005) 1287

Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation, 64 (2005) 1536

Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, 64 (2005) 1573

Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, 64 (2005) 1940

Placentitis

Treatment strategies for mares with placentitis, 64 (2005) 528

Placentomes

Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, 64 (2005) 1273

Plasma parameters

Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan, 64 (2005) 855

Plasma progesterone

Luteotrophic influence of early bovine embryos and the relationship between plasma progesterone concentrations and embryo survival, 64 (2005) 49

Plasminogen activator activity

Plasminogen activator activity in the porcine oviduct during the oestrous cycle, 64 (2005) 1007

Polyspermy

Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, 64 (2005) 1913

Porcine

Plasminogen activator activity in the porcine oviduct during the oestrous cycle, 64 (2005) 1007

Amino acid metabolism of the porcine blastocyst, 64 (2005) 1852

Effect of methyl-β-cyclodextrin treatment of pig spermatozoa on in vitro fertilization and embryo development in the absence or presence of caffeine, 64 (2005) 1913

Porcine embryos

Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, 64 (2005) 1340

Porcine oocytes

Role of cumulus cells during maturation of porcine oocytes in the rise in intracellular Ca^{2+} induced by inositol 1,4,5-trisphosphate, 64 (2005) 261

Adjustments in IVF system for individual boars: Value of additives and time of sperm–oocyte co-incubation, 64 (2005) 1783

Post mortem

Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, 64 (2005) 958

Postmortem recovery

Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, 64 (2005) 1503

Postpartum cows

Relationships between body condition score, body weight, and some nutritional parameters in plasma and resumption of ovarian cyclicity postpartum during pre-service period in high-producing dairy cows in a subtropical region in Japan, 64 (2005) 855

Post-thaw characteristics

Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305

Preantral follicle

Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, 64 (2005) 947

Interactions of indole acetic acid with EGF and FSH in the culture of ovine preantral follicles, 64 (2005) 1104

Pregnancy

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Hypoluteoidism in a bitch, 64 (2005) 213

Reproductive biology in the era of genomics biology, 64 (2005) 442

Treatment strategies for mares with placentitis, 64 (2005) 528

Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, 64 (2005) 542

Equine fetal gender determination from mid- to advanced-gestation by ultrasound, 64 (2005) 568

Pregnancy diagnosis and abnormalities of pregnancy in the dog, 64 (2005) 755

Pregnancy diagnosis

Pregnancy diagnosis and abnormalities of pregnancy in the dog, 64 (2005) 755

The early conception factor (ECF™) lateral flow assay for non-pregnancy determination in the mare, 64 (2005) 1061

Pregnancy loss

Pregnancy diagnosis and abnormalities of pregnancy in the dog, 64 (2005) 755

Pregnancy rate

Possibilities with today's reproductive technologies, 64 (2005) 639

Progesterone (CIDR)-based timed AI protocols using GnRH, porcine LH or estradiol cypionate for dairy heifers: Ovarian and endocrine responses and pregnancy rates, 64 (2005) 1457

Pregnancy-associated glycoproteins

Ultrasonographic appearance of the conceptus, fetal heart rate and profiles of pregnancy-associated glycoproteins (PAG) and prostaglandin $F_{2\alpha}$-metabolite ($PGF_{2\alpha}$-metabolite) after induction of fetal death with aglepristone during early gestation in cattle, 64 (2005) 917

Preimplantation embryo

Apoptotic processes during mammalian preimplantation development, 64 (2005) 221

Prepubertal

The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of

in vitro matured adult and prepubertal ewe oocytes, 64 (2005) 363

Comparison between intracytoplasmic sperm injection and in vitro fertilisation employing oocytes derived from prepubertal goats, 64 (2005) 1249

Presentation

Factors affecting duration of the expulsive stage of parturition and piglet birth intervals in sows with uncomplicated, spontaneous farrowings, 64 (2005) 1573

Pressure

High pressure flow cytometric sorting damages sperm, 64 (2005) 1035

Preterm labor

Treatment strategies for mares with placentitis, 64 (2005) 528

Primordial follicles

In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, 64 (2005) 1357

Progestagens

Hypoluteoidism in a bitch, 64 (2005) 213

Progesterone

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Hypoluteoidism in a bitch, 64 (2005) 213

Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), 64 (2005) 292

Technical and economic effects of an inline progesterone indicator in a dairy herd estimated by stochastic simulation, 64 (2005) 819

Effects of exogenous progesterone on gestation length, foetal survival and colostrum yield in ewes, 64 (2005) 1121

Progesterone receptors

Effects of cryo-injury on progesterone receptor(s) of canine spermatozoa and its response to progesterone, 64 (2005) 844

Progestin

Efficacy of either a single or split treatment of $PGF_{2\alpha}$ after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers, 64 (2005) 344

Prolactin

Hypoluteoidism in a bitch, 64 (2005) 213

Proliferation

Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, 64 (2005) 1823

Prostaglandin

Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, 64 (2005) 1867

Prostaglandin $F_{2\alpha}$

Efficacy of either a single or split treatment of $PGF_{2\alpha}$ after a 14 day melengestrol acetate treatment to synchronize estrus and induce luteolysis in *Bos indicus* × *Bos taurus* heifers, 64 (2005) 344

Prostate

Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP, 64 (2005) 975

Prostatic fluid

Homologous prostatic fluid added to frozen–thawed dog spermatozoa prior to intravaginal insemination of bitches resulted in better fertility than albumin-free TALP, 64 (2005) 975

Proteomics

Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, 64 (2005) 1490

Pteropus

Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), 64 (2005) 1072

Puberty

Testicular development in Brahman bulls, 64 (2005) 1440

Pulsatile

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Pups

Factors affecting gestation duration in the bitch, 64 (2005) 242

Queen

Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat, 64 (2005) 12

Rabbit

Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, 64 (2005) 252

Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, 64 (2005) 1130

Radiography

Hysterographic appearance and uterine histology at different stages of the reproductive cycle and after progestagen treatment in the domestic cat, 64 (2005) 12

Rainbow trout

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Ram

Relationship between in vitro fertilisation of ewe oocytes and the fertility of ewes following cervical artificial insemination with frozen-thawed ram semen, 64 (2005) 1797

Ram-spermatozoa

Effect of semen collection method on pre- and post-thaw Guirra ram spermatozoa, 64 (2005) 1756

Recombinase

Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection, 64 (2005) 1704

Red deer

Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, 64 (2005) 958

Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, 64 (2005) 1236

Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, 64 (2005) 1503

Reduction test

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Refrigeration

Sensitivity to chilling of medaka (*Oryzias latipes*) embryos at various developmental stages, 64 (2005) 112

Characteristics of Iberian red deer (*Cervus elaphus hispanicus*) spermatozoa cryopreserved after storage at 5 °C in the epididymis for several days, 64 (2005) 1503

Reproduction

Prediction of the reproductive status of cattle on the basis of milk progesterone measures: model description, 64 (2005) 155

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, 64 (2005) 603

Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000), 64 (2005) 1333

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

Reproductive biology

Reproductive biology in the era of genomics biology, 64 (2005) 442

Reproductive disorders

Canine herpesvirus-1 (CHV-1): clinical, serological and virological patterns in breeding colonies, 64 (2005) 61

Reproductive failure

A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs, 64 (2005) 1546

Reproductive management

Possibilities with today's reproductive technologies, 64 (2005) 639

Reproductive performance

A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, 64 (2005) 891

Effect of neosporosis on productive and reproductive performance of dairy cattle in Costa Rica, 64 (2005) 1928

Reproductive tract

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Retained fetal membranes

Effect of Vitamin E and selenium supplementation on concentrations of plasma cortisol and erythrocyte lipid peroxides and the incidence of retained fetal membranes in crossbred dairy cattle, 64 (2005) 1273

RT-PCR

Proteomic analysis of hypothalamic proteins of high and low egg production strains of chickens, 64 (2005) 1490

RYR1

IVM media, oocyte diameter and donor genotype at RYR1 locus in relation to the incidence of porcine diploid oocytes after maturation in vitro, 64 (2005) 202

SCNT

Improving in vitro development of cloned bovine embryos with hybrid (Holstein–Chinese Yellow) recipient oocytes recovered by ovum pick up, 64 (2005) 1263

Scrotal insulation

Relationship between semen quality and pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls, 64 (2005) 408

Scrotal insult

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Season

Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*), 64 (2005) 1526

Seasonality

Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, 64 (2005) 958

Selective uptake

Summer heat stress alters the mRNA expression of selective-uptake and endocytotic receptors in bovine ovarian cells, 64 (2005) 1475

Semen

Relationship between semen quality and pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls, 64 (2005) 408

Fertility evaluation of frozen/thawed semen, 64 (2005) 492

Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, 64 (2005) 614

Theoretical aspects of canine cryopreserved semen evaluation, 64 (2005) 685

Theoretical aspects of canine semen cryopreservation, 64 (2005) 692

Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), 64 (2005) 1072

Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, 64 (2005) 1867

Semen collection

Semen collection in the dog, 64 (2005) 747

Semen conservation

Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, 64 (2005) 720

Semen cryopreservation

Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, 64 (2005) 1898

Semen freezing

Does multivariate analysis of post-thaw sperm characteristics accurately estimate in vitro fertility of boar individual ejaculates?, 64 (2005) 305

Semen quality

Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, 64 (2005) 1130

Semen solid storage

Effect of solid storage at 15 °C on the subsequent motility and fertility of rabbit semen, 64 (2005) 252

Seminal fluid

Relationship between inflammatory cytology of canine seminal fluid and significant aerobic bacterial, anaerobic bacterial or mycoplasma cultures of canine seminal fluid: 95 cases (1987–2000), 64 (2005) 1333

Seminal plasma

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

Serum-free systems

Beneficial effects of serum supplementation during in vitro production of porcine embryos on their ability to survive cryopreservation by open pulled straw vitrification, 64 (2005) 1340

Sex pre-selection

The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes, 64 (2005) 363

Sexed semen

Fertility in heifers and cows after low dose insemination with sex-sorted and non-sorted sperm under field conditions, 64 (2005) 1647

Sexing

High pressure flow cytometric sorting damages sperm, 64 (2005) 1035

Sex-sorting

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

Sexual behavior

Reproductive behavior of small animals, 64 (2005) 734

Sheep

The temporal relationship between patterns of LH and FSH secretion, and development of ovulatory-sized follicles during the mid- to late-luteal phase of sheep, 64 (2005) 393

Update on reproductive biotechnologies in small ruminants and camelids, 64 (2005) 618

The effect of peri-conception nutrition on embryo quality in the superovulated ewe, 64 (2005) 1090

The anatomy of the sheep cervix and its influence on the transcervical passage of an inseminating pipette into the uterine lumen, 64 (2005) 1225

In vitro growth of oocytes from primordial follicles isolated from frozen–thawed lamb ovaries, 64 (2005) 1357

Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist, 64 (2005) 1833

Signal transduction

Atrial natriuretic peptide negatively regulates follicle-stimulating hormone-induced porcine oocyte maturation and cumulus expansion via cGMP-dependent protein kinase pathway, 64 (2005) 902

Somatic cell

Growth and fertility of bulls cloned from the somatic cells of an aged and infertile bull, 64 (2005) 334

Sow

Effects of (artificial) boar stimuli on uterine activity in estrous sows, 64 (2005) 1518

The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, 64 (2005) 1889

Sperm

SNARE proteins and caveolin-1 in stallion spermatozoa: possible implications for fertility, 64 (2005) 275

Sperm concentration determination between hemacytometric and CASA systems: Why they can be different, 64 (2005) 614

Theoretical aspects of canine semen cryopreservation, 64 (2005) 692

High pressure flow cytometric sorting damages sperm, 64 (2005) 1035

Do parameters of seminal quality correlate with the results of on-farm inseminations in rabbits?, 64 (2005) 1130

Increase of ICSI efficiency with hyaluronic acid binding sperm for low aneuploidy frequency in pig, 64 (2005) 1158

Sperm function

Functional significance of responsiveness to capacitating conditions in boar spermatozoa, 64 (2005) 1766

Sperm morphology

Genetic sperm defects, 64 (2005) 457

Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, 64 (2005) 1236

Sperm motility

Evaluation of boar sperm maturation after co-incubation with caput, corpus and cauda epididymal cultures. Evaluation of boar sperm maturation in vitro, 64 (2005) 1995

Sperm quality

Influence of storage time on functional capacity of flow cytometrically sex-sorted boar spermatozoa, 64 (2005) 86

New techniques for the assessment of canine semen quality: A review, 64 (2005) 706

Sperm sexing

The effect of gamete co-incubation time during in vitro fertilization with frozen-thawed unsorted and sex-sorted ram spermatozoa on the development of in vitro matured adult and prepubertal ewe oocytes, 64 (2005) 363

Sperm subpopulations

Post mortem time and season alter subpopulation characteristics of Iberian red deer epididymal sperm, 64 (2005) 958

Sperm viability

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Spermatogenesis

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, 64 (2005) 558

Testicular development in Brahman bulls, 64 (2005) 1440

Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, 64 (2005) 1940

Spermatozoa

Birth of mice after in vitro fertilization using C57BL/6 sperm transported within epididymides at refrigerated temperatures, 64 (2005) 135

Effect of staining and sorting on boar sperm membrane integrity, mitochondrial activity and in vitro blastocyst development, 64 (2005) 191

Relationship between non-return rate and chromatin condensation of deep frozen bull spermatozoa, 64 (2005) 232

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, 64 (2005) 558

Theoretical aspects of canine cryopreserved semen evaluation, 64 (2005) 685

Collection, seminal characteristics and chilled storage of spermatozoa from three species of free-range flying fox (*Pteropus* spp.), 64 (2005) 1072

Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, 64 (2005) 1297

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Effects of solid storage of sheep spermatozoa at 15 °C on their survival and penetrating capacity, 64 (2005) 1844

Spermiogram

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, 64 (2005) 558

S-phase

Comparison of cell proliferation index in equine and caprine embryos using a modified BrdU incorporation assay, 64 (2005) 1823

Spontaneous ovulation

Incidence of spontaneous ovulation and development of the corpus luteum in non-mated dromedary camels (*Camelus dromedarius*), 64 (2005) 292

Stain technique

Comparison of three different staining methods for the assessment of epididymal red deer sperm morphometry by computerized analysis with ISAS®, 64 (2005) 1236

Stallion

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Cellular associations and the differential spermiogram: Making sense of stallion spermatozoal morphology, 64 (2005) 558

Application of MTT reduction assay to evaluate equine sperm viability, 64 (2005) 1350

Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, 64 (2005) 1867

Stereology

Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

Stillbirth asphyxia

The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, 64 (2005) 1889

Stochastic simulation

Technical and economic effects of an inline progesterone indicator in a dairy herd estimated by stochastic simulation, 64 (2005) 819

Storage

Kinetics of nuclear maturation and effect of holding ovaries at room temperature on in vitro maturation of camel (*Camelus dromedarius*) oocytes, 64 (2005) 75

Storage time

A retrospective study on effects of storage time of liquid boar semen on reproductive performance in Norwegian swine, 64 (2005) 891

Strontium

Parthenogenetic activation of mouse oocytes by strontium chloride: A search for the best conditions, 64 (2005) 1142

Subfertility

Functional significance of responsiveness to capacitating conditions in boar spermatozoa, 64 (2005) 1766

Substrate staining

Activity, substrate detection and immunolocalization of glutathione peroxidase (GPx) in bovine reproductive organs and semen, 64 (2005) 416

Superovulation

The effect of peri-conception nutrition on embryo quality in the superovulated ewe, 64 (2005) 1090

Induction of the presence of corpus luteum during superovulatory treatments enhances in vivo and in vitro blastocysts output in sheep, 64 (2005) 1392

Effect of season and gonadotropins on the superovulatory response in camel (*Camelus dromedarius*), 64 (2005) 1526

Effects of inbreeding on ovarian responses and embryo production from superovulated Mantiqueira breed cows, 64 (2005) 1669

Follicular growth, endocrine response and embryo yields in sheep superovulated with FSH after pretreatment with a single short-acting dose of GnRH antagonist, 64 (2005) 1833

The usefulness of a single measurement of insulin-like growth factor-1 as a predictor of embryo yield and pregnancy rates in a bovine MOET program, 64 (2005) 1977

Survival analysis

Comparison of reproductive performance by artificial insemination versus natural service sires in California dairies, 64 (2005) 603

Synchronization of estrus

Possibilities with today's reproductive technologies, 64 (2005) 639

Testicular ultrasound

Relationship between semen quality and pixel–intensity of testicular ultrasonograms after scrotal insulation in beef bulls, 64 (2005) 408

Testis

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Testicular development in Brahman bulls, 64 (2005) 1440

Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, 64 (2005) 1940

Testosterone

Delayed effects on plasma concentration of testosterone and testicular morphology by intramuscular low-dose di(2-ethylhexyl)phthalate or oestradiol benzoate in the prepubertal boar, 64 (2005) 1170

Thawing rates

Influence of extender, freezing rate, and thawing rate on post-thaw motility, viability and morphology of coyote (*Canis latrans*) spermatozoa, 64 (2005) 1898

Time of insemination

Influence of time of insemination relative to ovulation and frequency of insemination on gilt fertility, 64 (2005) 1956

Timed insemination

Frozen semen management in equine breeding programs, 64 (2005) 480

Transfer

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Transgenesis

Recombinase-mediated mouse transgenesis by intracytoplasmic sperm injection, 64 (2005) 1704

Transvaginal biopsy

Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, 64 (2005) 947

Tris–glucose

Long-term motility and fertility conservation of chilled canine semen using egg yolk added Tris–glucose extender: In vitro and in vivo studies, 64 (2005) 720

Trophectoderm

The effect of peri-conception nutrition on embryo quality in the superovulated ewe, 64 (2005) 1090

TUNEL

The incidence of apoptosis after IVF with morphologically abnormal bovine spermatozoa, 64 (2005) 1404

Two-dimensional polyacrylamide gel electrophoresis

Developmental changes of heat-shock proteins in porcine testis by a proteomic analysis, 64 (2005) 1940

Ultrasonography

A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs, 64 (2005) 1546

Ultrasound

Diagnostic applications of ultrasonography to stallion's reproductive tract, 64 (2005) 505

Assessment of feto-placental well-being in the mare from mid-gestation to term: Transrectal and transabdominal ultrasonographic features, 64 (2005) 542

Equine fetal gender determination from mid- to advanced-gestation by ultrasound, 64 (2005) 568

Development and practical applications of a method for repeated transvaginal, ultrasound-guided biopsy collection of the bovine ovary, 64 (2005) 947

Urinary incontinence

Histochemical and stereological analysis of the levator ani (pubocaudal) muscle in nulliparous and multiparous beagles, 64 (2005) 144

Uterine activity

Effects of (artificial) boar stimuli on uterine activity in estrous sows, 64 (2005) 1518

Uterine contractions

Characteristics of bovine early puerperal uterine contractility recorded under farm conditions, 64 (2005) 99

Uterotubal junction

Low dose insemination in cattle with the Ghent device, 64 (2005) 1716

Uterus

A field study into the appropriateness of transcutaneous ultrasonography in the diagnoses of uterine disorders in reproductively failed pigs, 64 (2005) 1546

Prevalence of endometritis and its effects on reproductive performance of dairy cows, 64 (2005) 1879

UV

Effects of UV irradiation and hydrogen peroxide on DNA fragmentation, motility and fertilizing ability of rainbow trout (*Oncorhynchus mykiss*) spermatozoa, 64 (2005) 1809

Vedaprofen

Influence of vedaprofen (Quadrisol®) on quality and freezability of stallion semen, 64 (2005) 1867

Vetrabutin chlorhydrate

The effects of vetrabutin chlorhydrate and oxytocin on stillbirth rate and asphyxia in swine, 64 (2005) 1889

Viability

Comparison of in vitro laboratory analyses with the fertility of cryopreserved stallion spermatozoa, 64 (2005) 1422

Vitrification

Bovine oocyte vitrification before or after meiotic arrest: effects on ultrastructure and developmental ability, 64 (2005) 317

Changes to porcine blastocyst vitrification methods and improved litter size after transfer, 64 (2005) 879

Bovine oocytes vitrified by the open pulled straw method and used for somatic cell cloning supported development to term, 64 (2005) 1381

Vitrification assays with embryos from a cold tolerant sub-arctic fish species, 64 (2005) 1633

Wild species

Successful use of oviduct epithelial cell coculture for in vitro production of viable red deer (*Cervus elaphus*) embryos, 64 (2005) 1729

Winter flounder

Vitrification assays with embryos from a cold tolerant sub-arctic fish species, 64 (2005) 1633

Zebrafish (*Danio rerio*)
The effect of external medium composition on membrane water permeability of zebrafish (*Danio rerio*) embryos, 64 (2005) 1591

Zona pellucida
Atrial natriuretic peptide induces an acrosome reaction in giant panda spermatozoa and enhances their penetration of salt-stored porcine oocytes, 64 (2005) 1297

Zona pellucida binding
New techniques for the assessment of canine semen quality: A review, 64 (2005) 706

Zona-free
Efficient in vitro production of porcine blastocysts by handmade cloning with a combined electrical and chemical activation, 64 (2005) 1536